

REPORT NUMBER: ITL85924

PAGE: 1 OF 7

ISSUE DATE: 11/03/15

PREPARED FOR: B-K LIGHTING, INC.

CATALOG NUMBER: NS-LED-e66-MFL-13, AR-LED-TR-e66-MFL-13, AR-LED-RM-e66-MFL-13, DS-LED-e66-MFL-13, RM-AR-LED-e66-MFL-13, SN-LED-e66-MFL-13, ST-LED-e66-MFL-13, SF-LED-e66-MFL-13, TF-LED-e66-MFL-13, WS-LED-e66-MFL-13, AW-LED-e66-MFL-13, SW-LED-e66-MFL-13, GD-LED-e66-MFL-13, GQ-LED-e66-MFL-13, EC-LED-e66-MFL-13, ED-LED-e66-MFL-13, SM-AR-LED-e66-MFL-13, PM-LED-e66-MFL-13, WM-LED-e66-MFL-13, UL-AR-LED-e66-MFL-13, HP2-LED-e66-MFL-13, CO2-LED-e66-MFL-13, VQ-LED-e66-MFL-13, VS-LED-e66-MFL-13

LUMINAIRE: MACHINED CYLINDRICAL METAL HOUSING, 1 BLACK CIRCUIT BOARD WITH 3 LEDS, ONE CLEAR CONICAL PLASTIC OPTIC PER LED WITH FROSTED SURFACE OPPOSITE LED AND SEMI-HEMISPHERICAL RECESSED CENTER TOWARD LED, MOLDED BLACK PLASTIC OPTIC MOUNTING FRAME, CLEAR LINEAR-PRISMATIC FLAT GLASS LENS IN MACHINED CYLINDRICAL BLACK PAINTED METAL LENS FRAME. LENS PRISMS OUT AND VERTICAL.

LAMPS: THREE WHITE LIGHT EMITTING DIODES (LEDs), AIMED AT THE HORIZON.

INPUT ELECTRICAL: 12.0 VOLTS, 6.95 WATTS, 0.642 AMPS

LED DRIVER: B-K LIGHTING 528930/400188-M, DRIVER HAS MULTIPLE LEADS, LINE INPUT AND LED OUTPUT LEADS CONNECTED FOR THIS TEST.

NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED AT RATED INPUT VOLTAGE (12VAC, 60Hz) TO THE DRIVER. POTENTIOMETER ON THE LED CIRCUIT BOARD SET TO POSITION "9" FOR THIS TEST.

TEST PROCEDURE: IESNA LM-79-08

TEST DISTANCE = 20.0 FEET

AXIAL CANDLEPOWER

FLOODLIGHT CHARACTERISTICS

IES TYPE 5H X 4V
MAXIMUM CANDLEPOWER 949. AT 0.0 H, 0.0 V
HORIZONTAL BEAM ANGLE (50%) 56.0 deg
VERTICAL BEAM ANGLE (50%) 21.4 deg
HORIZONTAL FIELD ANGLE (10%) 87.9 deg
VERTICAL FIELD ANGLE (10%) 47.3 deg
BEAM LUMENS (% FIXTURE) 177. (45.2 %)
FIELD LUMENS (% FIXTURE) 341. (87.1 %)
TOTAL LUMENS (% FIXTURE) 392. (100.0 %)
EFFICACY = 56.4 lm/W



Checked *B HYRE*

Approved *R BEATTIE*
Lighting Engineer

DEG	HORIZ.	DEG	VERT.
90.0	0.	90.0	0.
85.0	0.	85.0	0.
75.0	3.	75.0	1.
65.0	4.	65.0	2.
55.0	10.	55.0	4.
47.5	45.	47.5	7.
42.5	115.	42.5	11.
37.5	216.	37.5	17.
33.0	333.	33.0	28.
29.0	448.	29.0	46.
25.5	543.	25.5	72.
22.5	617.	22.5	105.
19.5	675.	19.5	155.
17.0	713.	17.0	214.
15.0	738.	15.0	277.
13.0	762.	13.0	356.
11.0	790.	11.0	450.
9.0	823.	9.0	557.
7.0	861.	7.0	674.
5.0	897.	5.0	789.
3.0	929.	3.0	894.
1.0	947.	1.0	940.
0.0	949.	0.0	949.
-1.0	947.	-1.0	944.
-3.0	929.	-3.0	896.
-5.0	897.	-5.0	807.
-7.0	861.	-7.0	697.
-9.0	823.	-9.0	581.
-11.0	790.	-11.0	461.
-13.0	762.	-13.0	367.
-15.0	738.	-15.0	289.
-17.0	713.	-17.0	225.
-19.5	675.	-19.5	164.
-22.5	617.	-22.5	111.
-25.5	543.	-25.5	76.
-29.0	448.	-29.0	50.
-33.0	333.	-33.0	31.
-37.5	216.	-37.5	19.
-42.5	115.	-42.5	12.
-47.5	45.	-47.5	8.
-55.0	10.	-55.0	4.
-65.0	4.	-65.0	2.
-75.0	3.	-75.0	1.
-85.0	0.	-85.0	0.
-90.0	0.	-90.0	0.

ALL CANDELA AND LUMEN VALUES IN THIS REPORT ARE BASED ON ABSOLUTE PHOTOMETRY.

THIS REPORT IS BASED ON PUBLISHED INDUSTRY PROCEDURES. FIELD PERFORMANCE MAY DIFFER FROM LABORATORY PERFORMANCE.



INDEPENDENT TESTING LABORATORIES, INC.
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PAGE: 2 OF 7

CANDELA TABULATION

AVERAGE OF RIGHT AND LEFT SIDES

	0.0	1.0	3.0	5.0	7.0	9.0	11.0	13.0	15.0	17.0	19.5	22.5	25.5	29.0	33.0	37.5	42.5	47.5	55.0	65.0	75.0	85.0	90.0
90.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
85.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
75.0	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	0.	0.	0.	0.
65.0	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.	1.	1.	2.	2.	1.	1.	1.	1.	0.	0.
55.0	4.	4.	4.	4.	4.	4.	4.	4.	3.	3.	3.	4.	4.	3.	3.	2.	2.	2.	2.	2.	1.	0.	0.
47.5	7.	7.	7.	8.	7.	7.	7.	7.	6.	6.	6.	6.	6.	6.	5.	4.	3.	3.	2.	2.	2.	0.	0.
42.5	11.	11.	11.	11.	11.	11.	11.	10.	10.	10.	9.	9.	8.	9.	8.	6.	4.	3.	3.	3.	2.	0.	0.
37.5	17.	17.	17.	17.	17.	17.	17.	17.	16.	16.	15.	14.	13.	13.	12.	10.	6.	4.	4.	3.	2.	0.	0.
33.0	28.	28.	28.	28.	28.	28.	28.	27.	26.	25.	24.	23.	21.	19.	18.	15.	9.	6.	4.	3.	2.	0.	0.
29.0	46.	46.	46.	45.	45.	45.	44.	43.	42.	40.	38.	36.	33.	30.	26.	22.	14.	7.	5.	3.	2.	0.	0.
25.5	72.	71.	71.	70.	69.	69.	67.	65.	63.	61.	58.	54.	50.	44.	38.	30.	20.	9.	5.	3.	3.	0.	0.
22.5	105.	104.	105.	103.	102.	101.	98.	96.	92.	89.	84.	78.	71.	62.	52.	41.	27.	11.	6.	3.	3.	0.	0.
19.5	155.	155.	153.	154.	151.	147.	143.	138.	134.	128.	120.	111.	101.	89.	74.	56.	36.	15.	7.	3.	3.	0.	0.
17.0	214.	215.	213.	210.	206.	202.	196.	189.	181.	175.	164.	152.	137.	119.	97.	72.	45.	19.	7.	4.	3.	0.	0.
15.0	277.	278.	274.	269.	266.	258.	250.	242.	234.	224.	210.	191.	173.	150.	120.	88.	53.	23.	8.	4.	3.	0.	0.
13.0	356.	355.	350.	342.	337.	327.	316.	308.	295.	281.	266.	242.	217.	188.	148.	106.	63.	27.	8.	4.	3.	0.	0.
11.0	450.	448.	441.	431.	424.	410.	395.	383.	368.	350.	333.	303.	271.	232.	181.	126.	73.	30.	9.	4.	3.	0.	0.
9.0	557.	557.	549.	534.	518.	499.	486.	468.	453.	434.	410.	371.	333.	281.	218.	148.	84.	34.	9.	4.	3.	0.	0.
7.0	674.	677.	665.	646.	625.	600.	575.	558.	540.	519.	489.	450.	400.	337.	255.	170.	95.	38.	10.	4.	3.	0.	0.
5.0	789.	794.	779.	754.	726.	691.	664.	645.	624.	602.	570.	523.	464.	386.	290.	190.	104.	41.	10.	4.	3.	0.	0.
3.0	894.	887.	870.	840.	808.	769.	738.	716.	693.	669.	634.	581.	513.	425.	317.	206.	111.	44.	10.	4.	3.	0.	0.
1.0	940.	940.	922.	890.	854.	815.	783.	756.	732.	707.	670.	613.	540.	446.	331.	215.	114.	45.	11.	4.	3.	0.	0.
0.0	949.	947.	929.	897.	861.	823.	790.	762.	738.	713.	675.	617.	543.	448.	333.	216.	115.	45.	10.	4.	3.	0.	0.
-1.0	944.	941.	923.	892.	856.	818.	787.	757.	734.	708.	670.	613.	540.	446.	331.	216.	115.	45.	10.	4.	3.	0.	0.
-3.0	896.	892.	876.	847.	813.	779.	748.	719.	698.	671.	636.	583.	514.	427.	318.	209.	112.	44.	10.	4.	3.	0.	0.
-5.0	807.	803.	789.	764.	736.	706.	674.	651.	633.	608.	576.	529.	468.	391.	293.	195.	105.	42.	10.	4.	3.	0.	0.
-7.0	697.	692.	680.	660.	638.	613.	585.	565.	545.	530.	500.	459.	408.	344.	261.	176.	97.	39.	10.	4.	3.	0.	0.
-9.0	581.	576.	567.	551.	534.	515.	491.	475.	457.	441.	419.	384.	344.	293.	225.	154.	87.	35.	9.	4.	3.	0.	0.
-11.0	461.	467.	460.	449.	436.	421.	402.	390.	374.	361.	340.	314.	284.	244.	190.	133.	76.	31.	9.	4.	3.	0.	0.
-13.0	367.	372.	367.	359.	349.	334.	322.	314.	301.	291.	273.	253.	229.	197.	157.	113.	66.	27.	9.	4.	3.	0.	0.
-15.0	289.	292.	288.	283.	276.	265.	255.	249.	239.	231.	216.	202.	183.	159.	128.	93.	56.	24.	8.	4.	3.	0.	0.
-17.0	225.	227.	225.	218.	213.	208.	201.	196.	188.	182.	170.	160.	144.	125.	103.	76.	47.	20.	7.	4.	3.	0.	0.
-19.5	164.	165.	161.	158.	155.	153.	147.	144.	138.	132.	125.	117.	107.	94.	78.	59.	37.	16.	7.	4.	3.	0.	0.
-22.5	111.	112.	110.	108.	107.	104.	102.	99.	96.	93.	88.	82.	75.	66.	56.	43.	28.	12.	6.	3.	3.	0.	0.
-25.5	76.	77.	75.	75.	73.	71.	70.	68.	67.	64.	61.	57.	53.	47.	40.	32.	21.	9.	5.	3.	3.	0.	0.
-29.0	50.	50.	49.	49.	48.	47.	47.	45.	44.	42.	40.	39.	36.	32.	28.	23.	14.	7.	5.	3.	2.	0.	0.
-33.0	31.	31.	31.	31.	30.	30.	30.	29.	28.	27.	26.	25.	23.	21.	18.	15.	9.	5.	4.	3.	2.	0.	0.
-37.5	19.	19.	19.	19.	19.	19.	19.	18.	18.	17.	16.	15.	14.	13.	12.	10.	6.	4.	3.	3.	2.	0.	0.
-42.5	12.	12.	12.	13.	12.	12.	12.	11.	11.	11.	10.	9.	8.	9.	8.	6.	4.	3.	2.	2.	1.	0.	0.
-47.5	8.	8.	8.	8.	8.	8.	8.	7.	7.	6.	6.	6.	6.	6.	5.	3.	3.	2.	2.	2.	1.	0.	0.
-55.0	4.	4.	4.	4.	4.	4.	3.	3.	3.	3.	3.	3.	3.	3.	2.	2.	2.	2.	1.	1.	1.	0.	0.
-65.0	2.	2.	2.	2.	2.	1.	1.	1.	2.	2.	2.	2.	1.	1.	1.	1.	1.	1.	1.	1.	0.	0.	0.
-75.0	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	0.	1.	1.	0.	0.	0.	0.	0.	0.	0.	0.
-85.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
-90.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.

BEAM EDGE = 475. CP = 50% OF MAX
FIELD EDGE = 95. CP = 10% OF MAX

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PAGE: 3 OF 7

CANDELA TABULATION - FIELD ONLY

AVERAGE OF RIGHT AND LEFT SIDES

	0.0	1.0	3.0	5.0	7.0	9.0	11.0	13.0	15.0	17.0	19.5	22.5	25.5	29.0	33.0	37.5	42.5	47.5	55.0	65.0	75.0	85.0	90.0
90.0																							
85.0																							
75.0																							
65.0																							
55.0																							
47.5																							
42.5																							
37.5																							
33.0																							
29.0																							
25.5																							
22.5	105.	104.	105.	103.	102.	101.	98.	96.															
19.5	155.	155.	153.	154.	151.	147.	143.	138.	134.	128.	120.	111.	101.										
17.0	214.	215.	213.	210.	206.	202.	196.	189.	181.	175.	164.	152.	137.	119.	97.								
15.0	277.	278.	274.	269.	266.	258.	250.	242.	234.	224.	210.	191.	173.	150.	120.								
13.0	356.	355.	350.	342.	337.	327.	316.	308.	295.	281.	266.	242.	217.	188.	148.	106.							
11.0	450.	448.	441.	431.	424.	410.	395.	383.	368.	350.	333.	303.	271.	232.	181.	126.							
9.0	557.	557.	549.	534.	518.	499.	486.	468.	453.	434.	410.	371.	333.	281.	218.	148.							
7.0	674.	677.	665.	646.	625.	600.	575.	558.	540.	519.	489.	450.	400.	337.	255.	170.	95.						
5.0	789.	794.	779.	754.	726.	691.	664.	645.	624.	602.	570.	523.	464.	386.	290.	190.	104.						
3.0	894.	887.	870.	840.	808.	769.	738.	716.	693.	669.	634.	581.	513.	425.	317.	206.	111.						
1.0	940.	940.	922.	890.	854.	815.	783.	756.	732.	707.	670.	613.	540.	446.	331.	215.	114.						
0.0	949.	947.	929.	897.	861.	823.	790.	762.	738.	713.	675.	617.	543.	448.	333.	216.	115.						
-1.0	944.	941.	923.	892.	856.	818.	787.	757.	734.	708.	670.	613.	540.	446.	331.	216.	115.						
-3.0	896.	892.	876.	847.	813.	779.	748.	719.	698.	671.	636.	583.	514.	427.	318.	209.	112.						
-5.0	807.	803.	789.	764.	736.	706.	674.	651.	633.	608.	576.	529.	468.	391.	293.	195.	105.						
-7.0	697.	692.	680.	660.	638.	613.	585.	565.	545.	530.	500.	459.	408.	344.	261.	176.	97.						
-9.0	581.	576.	567.	551.	534.	515.	491.	475.	457.	441.	419.	384.	344.	293.	225.	154.							
-11.0	461.	467.	460.	449.	436.	421.	402.	390.	374.	361.	340.	314.	284.	244.	190.	133.							
-13.0	367.	372.	367.	359.	349.	334.	322.	314.	301.	291.	273.	253.	229.	197.	157.	113.							
-15.0	289.	292.	288.	283.	276.	265.	255.	249.	239.	231.	216.	202.	183.	159.	128.								
-17.0	225.	227.	225.	218.	213.	208.	201.	196.	188.	182.	170.	160.	144.	125.	103.								
-19.5	164.	165.	161.	158.	155.	153.	147.	144.	138.	132.	125.	117.	107.										
-22.5	111.	112.	110.	108.	107.	104.	102.	99.	96.														
-25.5																							
-29.0																							
-33.0																							
-37.5																							
-42.5																							
-47.5																							
-55.0																							
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PAGE: 4 OF 7

LUMEN TABULATION

AVERAGE OF RIGHT AND LEFT SIDES

	0	2	4	6	8	10	12	14	16	18	21	24	27	31	35	40	45	50	60	70	80	90	TOTAL
90	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
70	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5
50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4
45	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6
40	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.9
35	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	1.2
31	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	1.8
27	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	2.0
24	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	2.9
21	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.3	0.3	0.2	0.3	0.2	0.2	0.1	0.0	0.0	0.0	0.0	0.0	4.1
18	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.2	0.3	0.2	0.2	0.1	0.0	0.0	0.0	0.0	0.0	3.7
16	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.3	0.3	0.3	0.2	0.2	0.1	0.0	0.0	0.0	0.0	0.0	4.7
14	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.5	0.4	0.4	0.4	0.4	0.3	0.3	0.1	0.1	0.0	0.0	0.0	0.0	5.9
12	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.4	0.4	0.6	0.5	0.4	0.5	0.4	0.3	0.2	0.1	0.0	0.0	0.0	0.0	0.0	7.4
10	0.7	0.7	0.6	0.6	0.6	0.6	0.6	0.5	0.5	0.7	0.6	0.5	0.6	0.4	0.4	0.2	0.1	0.0	0.0	0.0	0.0	0.0	9.0
8	0.8	0.8	0.8	0.8	0.7	0.7	0.7	0.6	0.6	0.8	0.8	0.7	0.7	0.5	0.4	0.2	0.1	0.0	0.0	0.0	0.0	0.0	10.7
6	1.0	0.9	0.9	0.9	0.8	0.8	0.8	0.7	0.7	1.0	0.9	0.8	0.8	0.6	0.5	0.2	0.1	0.0	0.0	0.0	0.0	0.0	12.4
4	1.1	1.1	1.0	1.0	0.9	0.9	0.9	0.8	0.8	1.1	1.0	0.8	0.9	0.6	0.5	0.2	0.1	0.0	0.0	0.0	0.0	0.0	13.7
2	1.1	1.1	1.1	1.0	1.0	0.9	0.9	0.9	0.8	1.2	1.0	0.9	1.0	0.7	0.5	0.3	0.1	0.0	0.0	0.0	0.0	0.0	14.5
0	1.1	1.1	1.1	1.0	1.0	0.9	0.9	0.9	0.8	1.2	1.0	0.9	1.0	0.7	0.5	0.3	0.1	0.0	0.0	0.0	0.0	0.0	14.5
-2	1.1	1.1	1.0	1.0	0.9	0.9	0.9	0.8	0.8	1.1	1.0	0.8	0.9	0.6	0.5	0.3	0.1	0.0	0.0	0.0	0.0	0.0	13.8
-4	1.0	1.0	0.9	0.9	0.8	0.8	0.8	0.7	0.7	1.0	0.9	0.8	0.8	0.6	0.5	0.2	0.1	0.0	0.0	0.0	0.0	0.0	12.6
-6	0.8	0.8	0.8	0.8	0.7	0.7	0.7	0.6	0.6	0.9	0.8	0.7	0.7	0.5	0.4	0.2	0.1	0.0	0.0	0.0	0.0	0.0	11.0
-8	0.7	0.7	0.7	0.6	0.6	0.6	0.6	0.5	0.5	0.7	0.6	0.6	0.6	0.5	0.4	0.2	0.1	0.0	0.0	0.0	0.0	0.0	9.2
-10	0.6	0.6	0.5	0.5	0.5	0.5	0.5	0.4	0.4	0.6	0.5	0.5	0.5	0.4	0.3	0.2	0.1	0.0	0.0	0.0	0.0	0.0	7.6
-12	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.5	0.4	0.4	0.4	0.3	0.3	0.1	0.1	0.0	0.0	0.0	0.0	0.0	6.1
-14	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.3	0.3	0.3	0.3	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	4.9
-16	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.3	0.3	0.2	0.3	0.2	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	3.9
-18	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.3	0.3	0.3	0.3	0.2	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	4.3
-21	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	3.0
-24	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.2	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	2.1
-27	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	1.9
-31	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	1.2
-35	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	1.0
-40	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6
-45	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4
-50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4
-60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
-70	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
-80	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-90	14.6	14.4	14.0	13.5	12.9	12.4	11.9	11.4	10.9	15.2	13.7	12.0	13.2	9.8	8.1	4.4	1.7	1.1	0.5	0.2	0.0		196.0

LUMEN TOTAL THIS PAGE = 196.0



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ISSUE DATE: 11/03/15
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PAGE: 5 OF 7

LUMEN TABULATION - FIELD ONLY

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	0	2	4	6	8	10	12	14	16	18	21	24	27	31	35	40	45	50	60	70	80	90	TOTAL
90																							0.0
80																							0.0
70																							0.0
60																							0.0
50																							0.0
45																							0.0
40																							0.0
35																							0.0
31																							0.0
27																							0.0
24																							0.0
21	0.2	0.2	0.2	0.2	0.2	0.2	0.2																1.3
18	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.3	0.3	0.2										3.2
16	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.2	0.3	0.2									3.4
14	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.3	0.3	0.3	0.3	0.2								4.3
12	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.5	0.4	0.4	0.4	0.4	0.3	0.3							5.7
10	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.4	0.4	0.6	0.5	0.4	0.5	0.4	0.3							7.1
8	0.7	0.7	0.6	0.6	0.6	0.6	0.6	0.6	0.5	0.5	0.7	0.6	0.5	0.6	0.4	0.4							8.7
6	0.8	0.8	0.8	0.8	0.7	0.7	0.7	0.6	0.6	0.8	0.8	0.7	0.7	0.5	0.4	0.2							10.6
4	1.0	0.9	0.9	0.9	0.8	0.8	0.8	0.7	0.7	1.0	0.9	0.8	0.8	0.6	0.5	0.2							12.3
2	1.1	1.1	1.0	1.0	0.9	0.9	0.9	0.8	0.8	1.1	1.0	0.8	0.9	0.6	0.5	0.2							13.6
0	1.1	1.1	1.1	1.0	1.0	0.9	0.9	0.9	0.8	1.2	1.0	0.9	1.0	0.7	0.5	0.3							14.4
-2	1.1	1.1	1.1	1.0	1.0	0.9	0.9	0.9	0.8	1.2	1.0	0.9	1.0	0.7	0.5	0.3							14.4
-4	1.1	1.1	1.0	1.0	0.9	0.9	0.9	0.8	0.8	1.1	1.0	0.8	0.9	0.6	0.5	0.3							13.7
-6	1.0	1.0	0.9	0.9	0.8	0.8	0.8	0.7	0.7	1.0	0.9	0.8	0.8	0.6	0.5	0.2							12.4
-8	0.8	0.8	0.8	0.8	0.7	0.7	0.7	0.6	0.6	0.9	0.8	0.7	0.7	0.5	0.4	0.2							10.8
-10	0.7	0.7	0.7	0.6	0.6	0.6	0.6	0.5	0.5	0.7	0.6	0.6	0.6	0.5	0.4								8.9
-12	0.6	0.6	0.5	0.5	0.5	0.5	0.5	0.4	0.4	0.6	0.5	0.5	0.5	0.4	0.3								7.3
-14	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.5	0.4	0.4	0.4	0.3	0.3								5.9
-16	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.3	0.3	0.3	0.3	0.3								4.5
-18	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.3	0.3	0.2	0.3	0.2									3.5
-21	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.3	0.3	0.3											3.3
-24	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2															1.5
-27																							0.0
-31																							0.0
-35																							0.0
-40																							0.0
-45																							0.0
-50																							0.0
-60																							0.0
-70																							0.0
-80																							0.0
-90																							0.0
	13.7	13.4	13.0	12.6	12.0	11.5	11.0	10.4	9.8	13.6	12.3	10.7	11.1	8.1	5.7	1.9	0.0	0.0	0.0	0.0	0.0	0.0	170.7

LUMEN TOTAL THIS PAGE = 170.7



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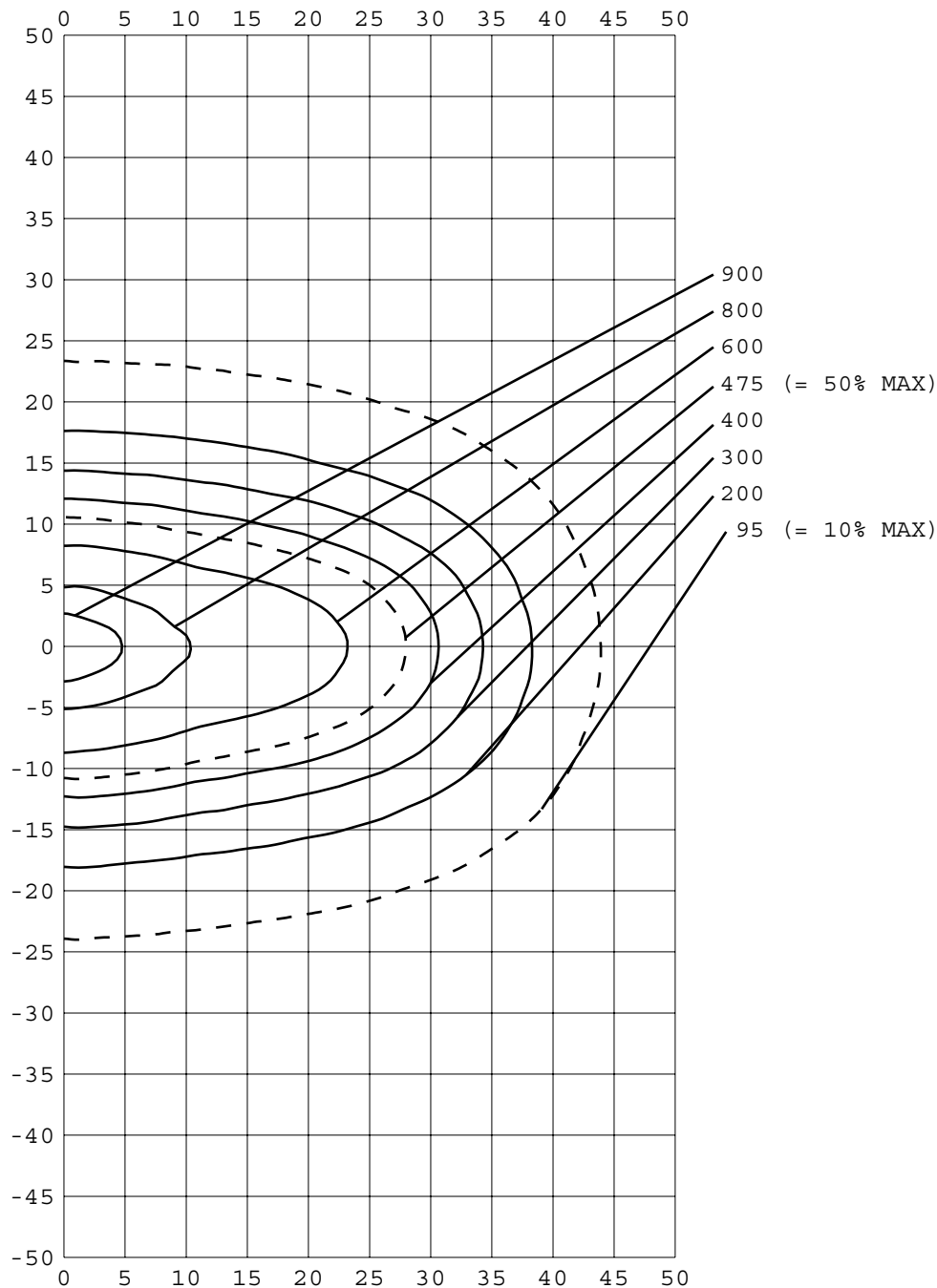
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