

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: McGRAW-EDISON

Report Number: P271432

Luminaire Tested: **ISC-AF-350-LED-E1-SL2-7027-ULG**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P271432
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29761)-DOWNLIGHT AND
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: ISC-AF-350-LED-E1-SL2-7027-ULG
Description: IMPACT ELITE LED CYLINDER LUMINAIRE WITH UPLIGHT
LIGHT SQUARE WITH ACCULED OPTICS-TYPE II W/SPILL CONTROL, WITH UPLIGHT
GLOW
Light Source: (16) 2700K CCT, 70 CRI LEDs and (1) UPLIGHT LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3360.8 lumens
Efficiency: N/A
Efficacy: 91.4 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.5' x L: 0.5' x H: 0.54')
IES Classification: Type III - Medium - Non-Cutoff
BUG Rating: B1 - U5 - G1

Input Watts (W): 36.79
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

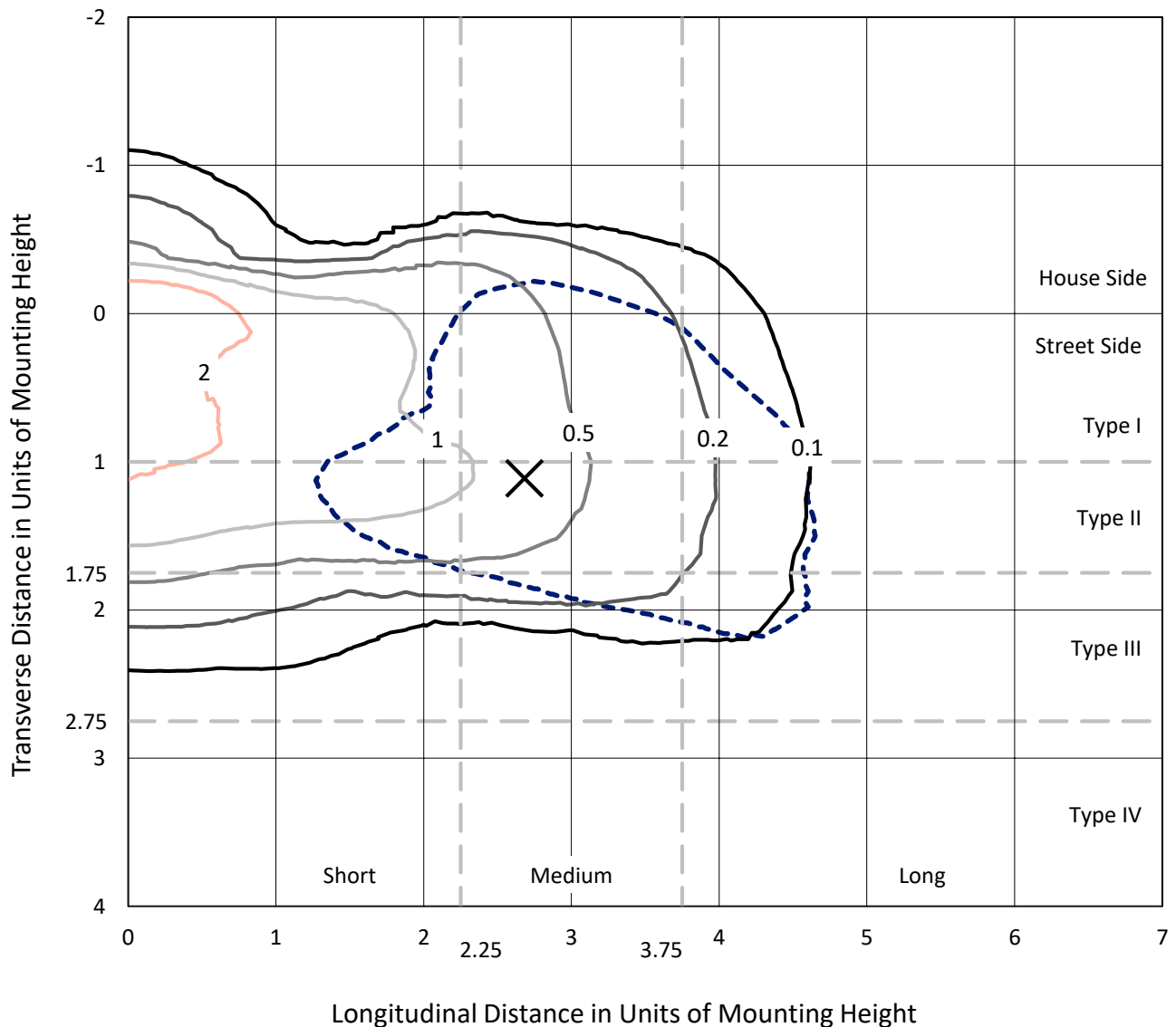


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

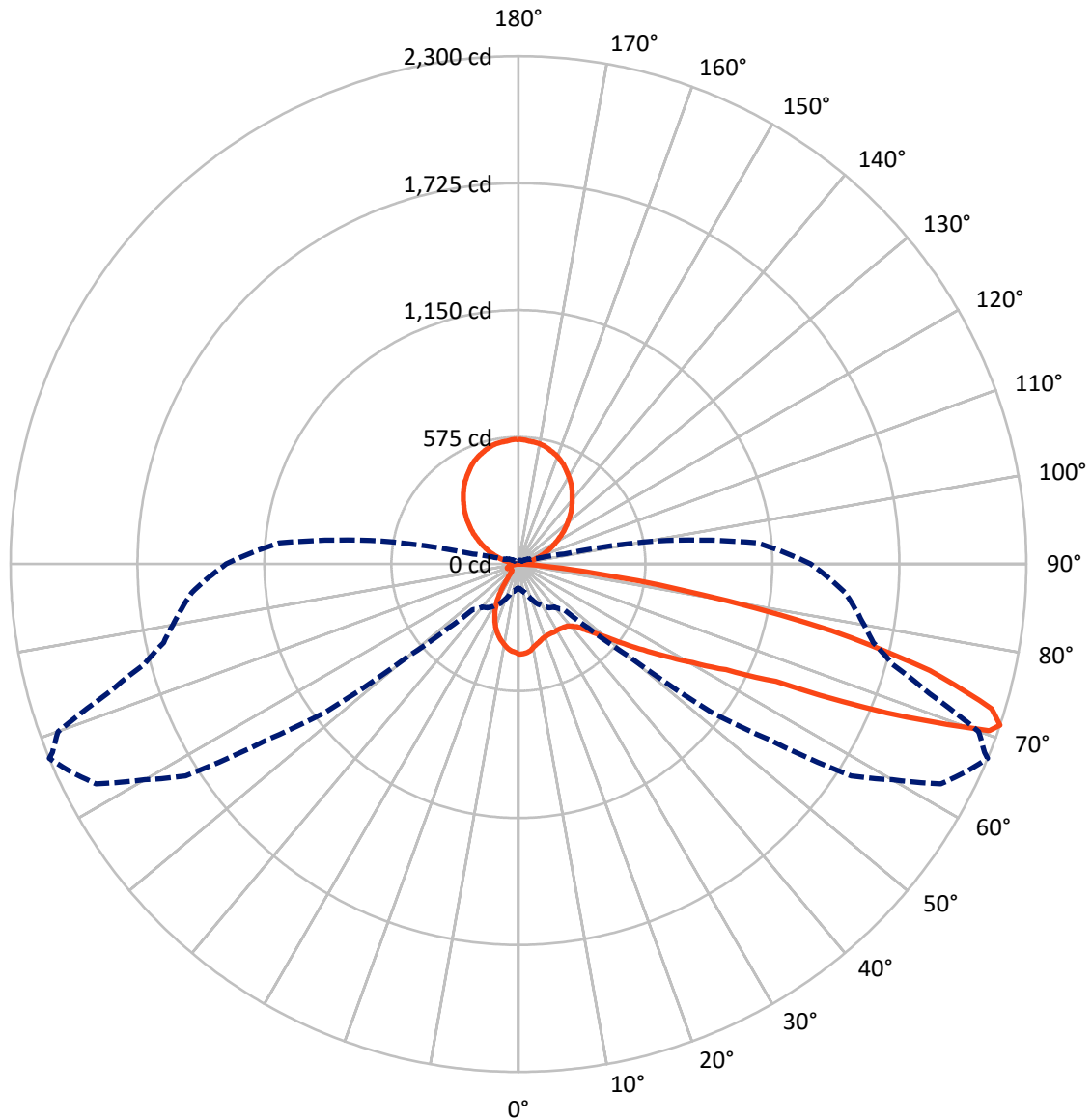


Based on 10 foot mounting height. Maximum calculated value = 4.1 fc
 Type III - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 67.5-Deg Lateral - - - Horizontal Cone Through 71-Deg Vertical

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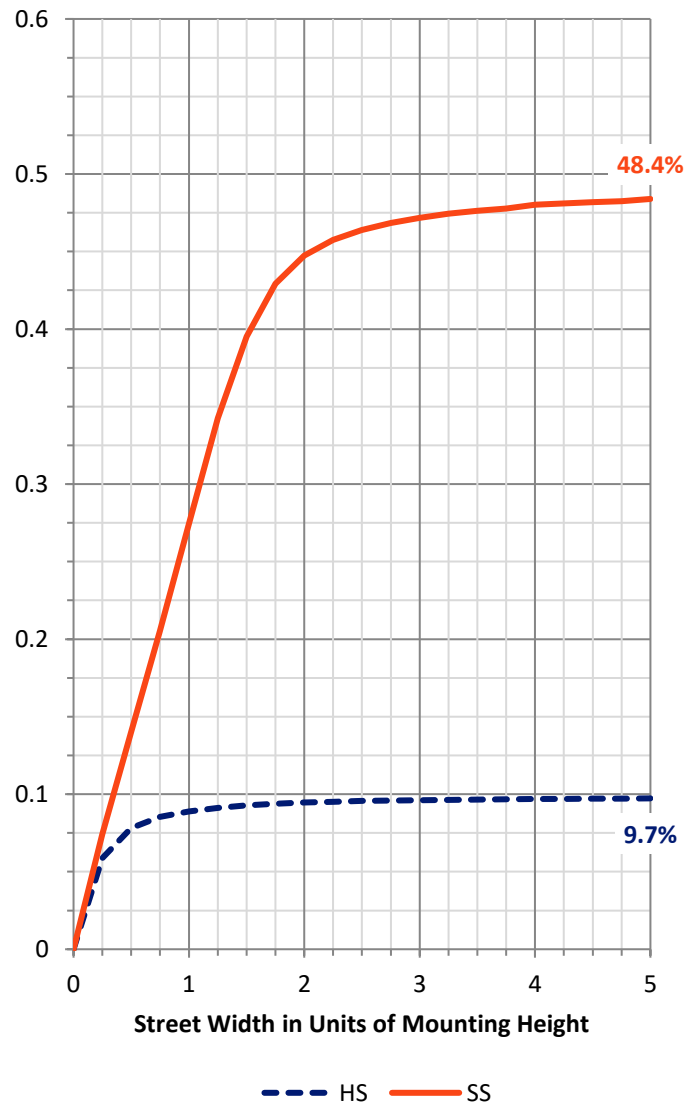
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	330.5	699.9	1030.3
	% Fixture	9.8	20.8	30.7
Street Side	Lumens	1630.6	699.9	2330.4
	% Fixture	48.5	20.8	69.3
Total	Lumens	1961.0	1399.8	3360.8
	% Fixture	58.4	41.6	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	35.7	1.1
10°-20°	85.3	2.5
20°-30°	116.0	3.5
30°-40°	158.6	4.7
40°-50°	238.9	7.1
50°-60°	378.6	11.3
60°-70°	501.3	14.9
70°-80°	399.3	11.9
80°-90°	47.3	1.4
90°-100°	4.7	0.1
100°-110°	67.7	2.0
110°-120°	150.2	4.5
120°-130°	219.7	6.5
130°-140°	260.7	7.8
140°-150°	264.3	7.9
150°-160°	226.8	6.7
160°-170°	152.2	4.5
170°-180°	53.3	1.6
0°-90°	1961.0	58.4
0°-180°	3360.8	100.0



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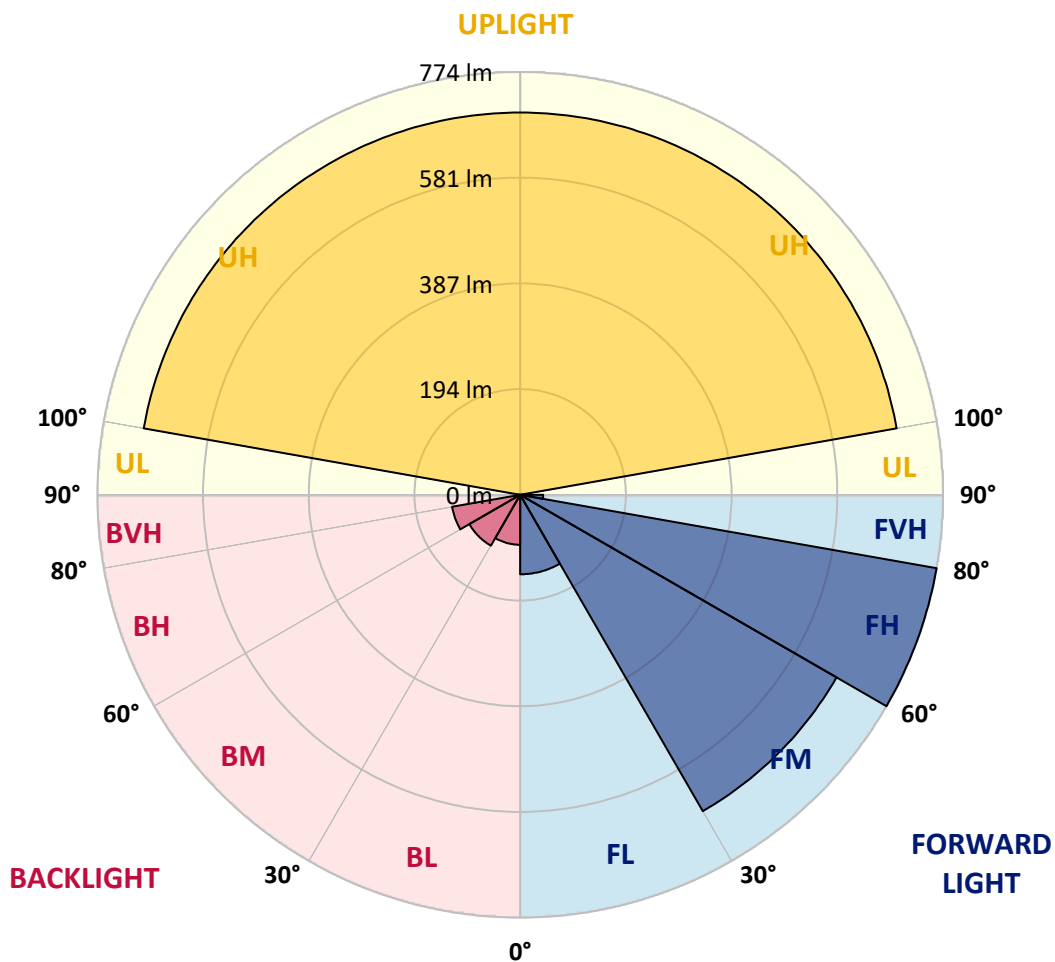
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	145.5	4.3			
FM (30°-60°)	668.7	19.9			
FH (60°-80°)	774.1	23.0			G1/1800
FVH (80°-90°)	42.2	1.3			G1/100
BL (0°-30°)	91.5	2.7	B0/110		
BM (30°-60°)	107.4	3.2	B0/220		
BH (60°-80°)	126.5	3.8	B1/500		G1/500
BVH (80°-90°)	5.1	0.2			G0/10
UL (90°-100°)	4.7	0.1		U1/10	
UH (100°-180°)	699.9	20.8		U4/1000	

BUG Rating: B1-U5-G1

Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	37.5°	40°	42.5°	45°	47.5°	50°
0°	408.7	408.7	408.7	408.7	408.7	408.7	408.7	408.7	408.7	408.7	408.7
2.5°	401.1	399.7	399.7	401.8	405.2	402.5	404.6	404.6	405.2	407.3	408.0
5°	371.7	368.9	371.7	374.4	382.0	380.6	382.7	384.7	388.8	389.4	395.0
7.5°	344.9	343.6	345.7	351.1	360.7	358.1	360.7	363.5	368.2	370.3	375.9
10°	324.5	322.4	325.2	329.3	338.8	338.1	339.5	343.0	348.5	349.8	356.6
12.5°	309.4	309.4	310.7	316.2	324.5	323.7	327.9	329.9	334.7	336.1	343.6
15°	301.9	299.9	302.5	307.3	315.6	315.6	318.3	320.3	327.3	327.9	334.7
17.5°	295.0	295.7	296.4	301.9	309.4	308.0	311.4	312.8	320.3	319.0	327.3
20°	295.0	296.4	295.7	299.1	304.6	301.9	306.0	306.6	314.9	312.8	321.8
22.5°	303.3	304.6	302.5	301.9	304.0	301.9	304.0	305.2	311.4	310.1	318.3
25°	317.6	320.3	317.6	312.8	310.7	305.2	306.6	308.7	313.5	310.1	317.6
27.5°	340.2	342.3	337.4	332.6	323.1	316.9	314.9	314.1	319.7	314.1	320.3
30°	366.1	368.9	364.8	356.0	342.3	331.9	327.9	325.8	329.3	321.1	327.3
32.5°	394.3	397.1	394.3	387.3	368.9	353.9	348.5	343.6	346.4	335.3	338.1
35°	423.0	425.8	428.5	424.4	400.5	383.4	374.4	370.3	369.7	356.0	356.6
37.5°	448.3	451.1	460.0	464.2	442.1	418.9	410.7	401.8	402.5	383.4	383.4
40°	479.2	482.6	494.2	503.8	489.5	461.4	451.8	442.1	442.1	416.8	417.5
42.5°	520.8	525.0	532.5	545.5	540.8	512.0	501.7	488.8	490.1	460.0	459.3
45°	579.8	582.6	582.6	590.7	591.4	564.0	557.2	544.1	546.9	508.6	510.7
47.5°	656.4	653.0	639.3	644.2	649.7	620.9	614.7	606.4	609.9	568.9	572.8
50°	727.6	724.9	696.8	698.3	718.0	688.6	686.6	676.3	681.1	640.0	646.2
52.5°	754.4	749.5	721.5	736.5	791.9	775.6	779.0	774.2	776.9	733.1	731.7
55°	724.2	724.2	707.1	734.5	847.4	856.4	884.4	895.3	907.0	863.1	853.6
57.5°	640.7	646.2	648.9	697.5	838.5	876.8	930.3	976.7	1036.4	1033.6	1048.1
60°	502.4	512.0	527.8	607.2	800.2	863.1	932.4	1002.1	1084.3	1137.0	1215.0
62.5°	352.6	360.7	373.8	428.5	688.6	796.8	896.7	1004.1	1108.9	1191.7	1294.4
65°	239.6	247.8	275.2	305.2	415.5	572.8	725.7	903.5	1063.1	1217.0	1355.4
67.5°	172.5	177.2	198.5	249.2	276.6	305.2	362.1	571.5	768.1	1078.1	1280.1
70°	129.4	134.2	153.3	209.5	243.0	250.5	264.2	301.2	351.1	605.7	870.6
71°	108.2	115.1	138.2	197.2	241.6	247.8	254.0	275.9	292.3	428.5	646.2
72.5°	76.0	80.8	102.7	182.1	232.0	246.4	260.8	260.1	258.7	292.3	390.9
75°	48.6	48.6	48.6	102.7	247.8	238.9	244.4	273.8	258.7	245.8	257.4
77.5°	38.4	37.7	35.7	51.3	193.8	242.4	256.6	264.2	278.7	256.6	245.1
80°	28.7	28.0	28.0	32.2	89.7	156.8	217.0	240.9	251.3	273.2	249.2
82.5°	15.0	15.0	16.3	19.1	33.6	54.8	112.3	184.8	206.7	208.0	210.1
85°	4.9	4.1	5.5	8.9	14.4	17.8	31.5	74.6	110.9	134.2	141.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	2.8	4.9	6.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
97.5°	2.0	2.0	2.0	3.0	4.0	5.1	6.4	7.6	8.8	9.8	10.8
100°	7.8	7.8	9.8	13.7	21.6	23.5	25.5	27.5	29.5	29.9	30.5
102.5°	27.5	27.5	31.4	37.3	44.2	45.4	46.6	47.9	49.0	49.2	49.6
105°	53.0	53.0	55.0	59.8	64.8	65.8	66.7	67.7	68.7	68.9	69.2
107.5°	76.5	75.5	78.5	82.5	86.3	87.1	87.9	88.6	89.3	89.8	90.3



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	37.5°	40°	42.5°	45°	47.5°	50°
110°	99.2	100.1	101.1	104.0	108.0	108.4	109.0	109.4	110.0	110.4	110.9
112.5°	121.7	121.7	123.7	126.6	129.5	130.1	130.5	131.1	131.5	132.1	132.5
115°	143.3	144.3	146.2	148.2	151.2	151.6	152.2	152.6	153.1	153.6	154.1
117.5°	165.8	166.8	168.8	170.8	173.7	174.2	174.7	175.2	175.7	175.9	176.2
120°	189.5	191.4	192.3	194.3	197.3	197.4	197.8	198.1	198.3	198.7	199.2
122.5°	215.0	216.0	216.9	218.8	221.8	222.0	222.3	222.6	222.8	223.0	223.3
125°	239.5	241.5	242.5	243.4	246.3	246.6	246.9	247.1	247.3	247.6	247.8
127.5°	262.0	264.0	265.0	267.0	269.0	269.4	269.9	270.4	270.9	271.4	271.8
130°	284.7	286.6	287.5	288.5	292.5	292.7	292.9	293.3	293.5	293.9	294.5
132.5°	307.2	308.2	311.2	312.1	315.0	315.2	315.6	315.8	316.0	316.8	317.6
135°	329.8	330.8	332.7	334.7	338.6	338.6	338.6	338.6	338.6	339.4	340.1
137.5°	352.3	353.3	356.3	357.3	360.2	360.2	360.2	360.2	360.2	360.7	361.2
140°	375.0	375.9	377.8	378.8	380.8	381.0	381.3	381.6	381.8	382.0	382.3
142.5°	396.5	398.5	400.5	399.5	402.4	402.4	402.4	402.4	402.4	402.9	403.4
145°	417.2	418.1	420.0	420.0	423.0	423.2	423.6	423.8	424.0	424.4	425.0
147.5°	435.8	435.8	438.7	439.7	443.7	443.9	444.1	444.4	444.6	444.8	445.1
150°	452.5	453.5	455.4	456.4	460.3	460.5	460.8	461.1	461.3	461.5	461.8
152.5°	470.2	471.1	474.0	473.0	476.0	476.2	476.6	476.8	477.0	477.2	477.4
155°	489.8	490.7	492.7	491.7	493.7	493.7	493.7	493.7	493.7	493.9	494.2
157.5°	503.5	505.5	507.5	506.5	509.4	509.4	509.4	509.4	509.4	509.4	509.4
160°	515.3	517.2	519.2	519.2	522.2	522.2	522.2	522.2	522.2	522.2	522.2
162.5°	525.1	526.0	529.0	528.0	531.0	531.0	531.0	531.0	531.0	531.2	531.4
165°	535.9	536.8	538.8	537.8	541.8	541.8	541.8	541.8	541.8	541.9	542.3
167.5°	544.7	545.7	548.7	547.7	550.6	550.4	550.1	549.9	549.7	549.7	549.7
170°	551.6	552.5	555.5	554.5	556.5	556.3	556.1	555.7	555.5	555.3	555.1
172.5°	554.5	555.5	558.5	556.5	558.5	558.3	557.9	557.7	557.5	557.7	557.9
175°	556.5	558.5	559.5	558.5	561.4	561.4	561.4	561.4	561.4	561.6	561.9
177.5°	561.4	562.4	564.3	563.3	567.3	567.1	566.8	566.5	566.3	566.3	566.3
180°	565.3	565.3	565.3	565.3	565.3	565.3	565.3	565.3	565.3	565.3	565.3



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CANDELA DISTRIBUTION (continued):

	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	68°	70°	72.5°	75°
0°	408.7	408.7	408.7	408.7	408.7	408.7	408.7	408.7	408.7	408.7	408.7
2.5°	405.9	408.7	406.7	409.4	405.9	410.1	406.7	408.7	409.4	406.7	410.1
5°	391.5	399.7	397.1	403.2	400.5	405.9	403.2	408.7	408.7	406.7	411.3
7.5°	373.8	382.0	382.7	388.8	388.8	395.6	395.6	401.1	403.9	403.9	410.7
10°	356.0	363.5	364.8	371.7	373.1	381.3	381.3	388.8	394.3	396.3	404.6
12.5°	342.3	351.9	351.9	359.3	358.1	370.3	371.7	378.5	384.0	388.8	399.7
15°	334.0	343.0	343.0	350.5	349.1	361.4	363.5	370.3	378.5	381.3	396.3
17.5°	325.8	334.7	332.6	343.0	342.3	356.0	354.7	364.8	371.7	375.9	392.9
20°	319.0	329.3	327.9	338.1	335.3	350.5	350.5	360.7	367.6	371.0	390.9
22.5°	315.6	326.5	323.7	334.0	331.9	347.0	347.0	357.3	364.8	370.3	390.1
25°	315.6	325.2	322.4	334.0	330.7	347.0	346.4	356.6	364.2	368.9	390.9
27.5°	316.9	326.5	324.5	335.3	332.6	347.0	348.5	357.3	364.8	370.3	392.2
30°	321.8	330.7	325.8	336.1	334.0	347.7	347.0	356.6	364.2	371.0	392.2
32.5°	331.9	336.8	330.7	339.5	335.3	349.1	349.1	356.0	364.8	373.1	392.2
35°	346.4	349.8	340.2	346.4	338.8	352.6	351.9	359.3	366.1	373.1	393.5
37.5°	366.9	371.0	356.0	361.4	349.1	360.0	357.3	366.1	373.1	377.2	400.5
40°	397.7	399.0	379.3	383.4	366.1	375.9	368.9	381.3	384.7	387.3	410.7
42.5°	435.4	436.8	411.3	414.1	392.2	400.5	388.8	401.8	406.7	405.9	431.3
45°	481.9	482.6	453.8	455.9	430.6	437.5	423.0	434.0	437.5	435.4	461.4
47.5°	532.5	538.1	505.8	508.6	481.9	485.4	467.5	479.9	479.9	477.8	504.5
50°	599.6	607.8	570.2	574.3	543.6	546.2	525.7	538.7	537.4	531.9	562.0
52.5°	683.1	690.7	650.9	656.4	623.5	625.0	599.6	614.7	610.6	601.7	636.6
55°	785.1	785.7	748.8	753.7	720.8	718.7	687.2	705.7	699.6	687.2	719.5
57.5°	948.7	928.8	867.9	866.5	831.0	828.2	787.8	810.5	800.2	774.2	816.6
60°	1212.3	1218.4	1063.1	1039.1	972.7	960.4	907.0	933.0	920.7	878.3	920.0
62.5°	1360.8	1458.7	1449.1	1362.9	1191.7	1145.2	1054.8	1085.6	1053.4	991.2	1030.2
65°	1471.1	1603.8	1680.5	1763.4	1686.6	1496.4	1282.8	1325.9	1247.2	1128.7	1166.4
67.5°	1512.0	1672.3	1833.8	1951.5	2031.6	2046.0	1798.9	1810.5	1616.8	1380.0	1384.7
70°	1297.2	1533.2	1849.5	1998.8	2157.5	2235.6	2261.7	2249.3	2124.0	1788.6	1660.6
71°	1099.3	1385.5	1786.5	1952.8	2156.2	2231.5	2299.9	2276.7	2218.5	1950.8	1754.4
72.5°	744.8	1104.1	1602.5	1813.3	2084.2	2139.0	2241.8	2200.7	2188.5	2072.0	1842.1
75°	350.5	550.3	1042.6	1361.5	1764.0	1816.7	1924.1	1873.4	1841.3	1881.1	1752.3
77.5°	258.0	300.6	572.2	846.0	1282.8	1357.4	1449.8	1387.5	1346.4	1386.2	1296.4
80°	234.7	236.2	296.4	446.3	765.3	809.7	844.7	794.0	731.7	729.1	646.2
82.5°	216.3	204.6	192.3	236.2	392.2	373.1	344.9	319.7	248.5	199.2	143.8
85°	137.6	150.6	136.9	129.4	156.0	128.6	102.0	97.8	69.1	46.5	43.1
87.5°	9.6	11.0	13.0	15.0	18.4	15.0	9.6	11.7	6.8	0.0	3.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
97.5°	11.8	12.8	11.3	9.8	8.4	6.8	6.4	6.3	5.9	5.4	4.9
100°	30.9	31.4	30.9	30.5	29.9	29.5	28.7	28.6	27.9	27.3	26.5
102.5°	49.9	50.0	49.9	49.6	49.2	49.0	48.6	48.5	48.1	47.6	47.1
105°	69.5	69.7	69.7	69.7	69.7	69.7	69.2	69.1	68.7	68.2	67.7
107.5°	90.8	91.3	91.1	90.8	90.5	90.3	90.1	90.0	89.8	89.5	89.3



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CATALOG NUMBER: ISC-AF-350-LED-E1-SL2-7027-ULG

CANDELA DISTRIBUTION (continued):

	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	68°	70°	72.5°	75°
110°	111.4	111.9	111.9	111.9	111.9	111.9	111.7	111.6	111.4	111.1	110.9
112.5°	132.9	133.5	133.5	133.5	133.5	133.5	133.3	133.2	132.9	132.7	132.5
115°	154.6	155.0	155.0	155.0	155.0	155.0	155.0	155.0	155.0	155.0	155.0
117.5°	176.4	176.7	176.9	177.1	177.4	177.7	177.4	177.3	177.1	176.9	176.7
120°	199.7	200.2	200.2	200.2	200.2	200.2	200.2	200.2	200.2	200.2	200.2
122.5°	223.6	223.8	223.8	223.8	223.8	223.8	223.9	224.0	224.3	224.6	224.8
125°	248.1	248.3	248.5	248.8	249.1	249.3	249.3	249.3	249.3	249.3	249.3
127.5°	272.4	272.8	272.6	272.4	272.1	271.8	272.1	272.2	272.4	272.6	272.8
130°	294.9	295.5	295.5	295.5	295.5	295.5	295.6	295.7	295.9	296.2	296.4
132.5°	318.2	319.0	319.0	319.0	319.0	319.0	319.2	319.3	319.4	319.8	320.0
135°	340.7	341.5	341.5	341.5	341.5	341.5	341.7	341.9	342.1	342.3	342.5
137.5°	361.7	362.2	362.2	362.2	362.2	362.2	362.4	362.5	362.6	362.9	363.2
140°	382.6	382.8	382.8	382.8	382.8	382.8	383.3	383.4	383.8	384.3	384.7
142.5°	403.9	404.3	404.3	404.3	404.3	404.3	404.6	404.7	404.9	405.1	405.3
145°	425.4	426.0	425.8	425.4	425.2	425.0	425.2	425.3	425.4	425.8	426.0
147.5°	445.4	445.6	445.1	444.6	444.1	443.7	443.9	443.9	444.1	444.4	444.6
150°	462.1	462.3	461.8	461.3	460.8	460.3	460.3	460.3	460.3	460.3	460.3
152.5°	477.8	478.0	477.8	477.4	477.2	477.0	477.0	477.0	477.0	477.0	477.0
155°	494.4	494.7	494.4	494.2	493.9	493.7	493.9	494.0	494.2	494.4	494.7
157.5°	509.4	509.4	508.9	508.4	507.9	507.5	507.6	507.7	507.9	508.2	508.4
160°	522.2	522.2	521.6	521.2	520.7	520.2	520.2	520.2	520.2	520.2	520.2
162.5°	531.8	532.0	531.4	531.0	530.4	530.0	529.6	529.4	529.0	528.6	528.0
165°	542.6	542.8	541.9	541.3	540.6	539.8	539.3	539.3	538.8	538.4	537.8
167.5°	549.7	549.7	549.1	548.7	548.1	547.7	547.9	548.0	548.1	548.4	548.7
170°	554.7	554.5	554.3	554.1	553.7	553.5	554.1	554.2	554.5	555.1	555.5
172.5°	558.3	558.5	557.9	557.5	556.9	556.5	556.7	556.8	556.9	557.3	557.5
175°	562.2	562.4	561.6	560.9	560.3	559.5	558.9	558.8	558.5	557.9	557.5
177.5°	566.3	566.3	565.6	564.9	564.1	563.3	563.3	563.3	563.3	563.3	563.3
180°	565.3	565.3	565.3	565.3	565.3	565.3	565.3	565.3	565.3	565.3	565.3



REPORT NUMBER: P271432

CATALOG NUMBER: ISC-AF-350-LED-E1-SL2-7027-ULG

CANDELA DISTRIBUTION (continued):

	77.5°	80°	85°	90°	95°	100°	102.5°	105°	107.5°	110°	112.5°
0°	408.7	408.7	408.7	408.7	408.7	408.7	408.7	408.7	408.7	408.7	408.7
2.5°	405.2	408.7	410.1	409.4	408.0	406.7	401.8	405.2	400.5	403.9	399.7
5°	407.3	412.1	412.7	411.3	410.1	407.3	399.0	403.9	398.4	401.1	395.0
7.5°	406.7	414.1	414.7	413.4	410.7	405.9	397.7	401.1	392.2	394.3	386.0
10°	403.2	414.1	414.7	411.3	407.3	399.7	390.1	391.5	382.7	382.7	371.7
12.5°	399.7	412.7	416.2	411.3	404.6	394.3	383.4	382.0	371.7	371.0	358.6
15°	399.7	414.1	418.9	412.7	402.5	388.1	375.1	372.3	360.7	357.3	343.6
17.5°	399.0	414.1	420.9	412.7	400.5	382.0	365.5	362.7	347.7	342.3	326.5
20°	398.4	415.5	422.3	411.3	394.3	374.4	356.0	350.5	334.0	325.2	306.6
22.5°	397.7	418.3	423.7	410.1	390.1	364.8	345.7	336.1	316.9	305.2	283.3
25°	401.1	421.7	424.4	408.7	384.0	354.7	334.0	321.1	299.9	284.8	258.7
27.5°	402.5	425.1	425.8	405.9	376.5	343.6	321.8	304.0	279.9	261.5	232.0
30°	406.7	425.8	423.7	400.5	367.6	329.9	307.3	285.4	258.7	234.7	199.9
32.5°	408.0	427.9	422.3	394.3	358.6	316.2	290.9	265.6	233.4	205.4	163.0
35°	410.7	429.2	420.9	390.9	349.1	301.9	273.8	245.1	208.0	172.5	123.9
37.5°	414.7	435.4	424.4	389.4	344.3	289.5	254.6	223.9	178.0	136.3	82.1
40°	425.1	447.6	430.6	391.5	340.9	279.2	236.2	201.8	143.8	100.6	56.9
42.5°	445.6	468.8	446.3	401.8	343.0	270.4	217.0	178.7	108.9	71.9	47.3
45°	476.4	496.2	472.3	418.9	351.1	265.6	199.2	154.7	78.1	57.5	43.1
47.5°	521.6	540.8	510.7	446.3	365.5	263.6	180.6	129.4	60.3	52.0	41.7
50°	581.1	603.8	566.1	489.5	392.2	265.6	160.9	105.4	52.7	50.7	41.1
52.5°	654.3	676.3	638.7	553.1	436.0	277.3	139.7	91.8	49.9	49.9	40.3
55°	737.1	768.1	731.0	641.4	503.8	302.5	126.6	87.0	49.9	50.7	39.7
57.5°	835.2	861.1	828.2	726.3	585.2	344.3	128.0	91.8	49.9	50.7	39.1
60°	930.9	963.2	925.4	834.4	678.3	407.3	156.0	116.4	52.0	52.7	39.1
62.5°	1030.9	1055.5	1024.7	928.8	783.7	485.4	212.2	168.4	60.3	62.3	41.7
65°	1140.4	1180.8	1148.7	1069.9	933.0	609.9	319.0	252.5	89.0	72.5	45.8
67.5°	1330.0	1346.4	1330.7	1258.9	1107.5	712.5	379.9	256.6	89.0	70.4	51.3
70°	1586.7	1549.8	1479.1	1345.0	1126.0	639.3	272.5	156.8	76.0	67.0	54.1
71°	1646.2	1589.4	1485.3	1323.8	1087.7	577.0	211.6	123.9	71.1	65.8	54.1
72.5°	1682.5	1597.6	1440.3	1261.5	1012.4	454.5	139.7	97.2	65.0	62.3	52.0
75°	1635.3	1478.5	1271.8	1091.8	829.0	236.2	87.7	73.9	55.4	54.1	45.2
77.5°	1298.5	1160.9	938.5	793.3	533.2	104.7	63.0	56.1	43.7	42.4	34.9
80°	605.7	486.1	284.8	244.4	167.7	61.6	43.1	38.4	31.5	30.1	24.6
82.5°	110.2	82.8	64.4	62.3	56.1	36.3	25.3	23.3	19.9	19.1	15.7
85°	37.7	36.3	27.4	27.4	28.0	19.1	14.4	13.7	10.3	10.3	6.8
87.5°	0.7	3.4	3.4	4.9	4.1	3.4	1.3	2.1	0.7	2.1	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
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
97.5°	4.7	4.4	4.0	4.0	4.0	4.4	4.7	4.9	5.4	5.9	6.4
100°	26.3	26.1	25.5	24.5	25.5	26.1	26.3	26.5	27.3	27.9	28.7
102.5°	47.3	47.6	48.1	47.1	48.1	47.6	47.3	47.1	47.6	48.1	48.6
105°	68.2	68.7	69.7	67.7	69.7	68.7	68.2	67.7	68.2	68.7	69.2
107.5°	89.5	89.8	90.3	89.3	90.3	89.8	89.5	89.3	89.5	89.8	90.1



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REPORT N
 CATALOG

CANDELA DISTRIBUTION (continued):

CANDELA

	77.5°	80°	85°	90°	95°	100°	102.5°	105°	107.5°	110°	112.5°	
110°	111.1	111.4	111.9	110.9	111.9	111.4	111.1	110.9	111.1	111.4	111.7	0°
112.5°	132.9	133.5	134.5	132.5	134.5	133.5	132.9	132.5	132.7	132.9	133.3	2.5°
115°	155.6	156.0	157.0	156.0	157.0	156.0	155.6	155.0	155.0	155.0	155.0	5°
117.5°	177.1	177.7	178.7	176.7	178.7	177.7	177.1	176.7	176.9	177.1	177.4	7.5°
120°	200.7	201.2	202.2	200.2	202.2	201.2	200.7	200.2	200.2	200.2	200.2	10°
122.5°	225.7	226.7	228.7	227.7	228.7	226.7	225.7	224.8	224.6	224.3	223.9	12.5°
125°	250.1	250.8	252.2	251.3	252.2	250.8	250.1	249.3	249.3	249.3	249.3	15°
127.5°	273.6	274.3	275.8	272.8	275.8	274.3	273.6	272.8	272.6	272.4	272.1	17.5°
130°	297.2	297.9	299.3	297.4	299.3	297.9	297.2	296.4	296.2	295.9	295.6	20°
132.5°	320.8	321.4	322.9	321.0	322.9	321.4	320.8	320.0	319.8	319.4	319.2	22.5°
135°	343.1	343.5	344.5	343.5	344.5	343.5	343.1	342.5	342.3	342.1	341.7	25°
137.5°	364.2	365.1	367.0	365.1	367.0	365.1	364.2	363.2	362.9	362.6	362.4	27.5°
140°	385.7	386.7	388.7	386.7	388.7	386.7	385.7	384.7	384.3	383.8	383.3	30°
142.5°	406.1	406.8	408.3	407.3	408.3	406.8	406.1	405.3	405.1	404.9	404.6	32.5°
145°	426.8	427.4	428.9	427.0	428.9	427.4	426.8	426.0	425.8	425.4	425.2	35°
147.5°	445.4	446.1	447.5	444.6	447.5	446.1	445.4	444.6	444.4	444.1	443.9	37.5°
150°	461.3	462.3	464.2	461.3	464.2	462.3	461.3	460.3	460.3	460.3	460.3	40°
152.5°	477.8	478.4	480.0	477.0	480.0	478.4	477.8	477.0	477.0	477.0	477.0	42.5°
155°	495.4	496.1	497.6	495.7	497.6	496.1	495.4	494.7	494.4	494.2	493.9	45°
157.5°	509.6	510.9	513.3	510.3	513.3	510.9	509.6	508.4	508.2	507.9	507.6	47.5°
160°	520.9	521.6	523.2	521.2	523.2	521.6	520.9	520.2	520.2	520.2	520.2	50°
162.5°	528.6	529.0	530.0	527.0	530.0	529.0	528.6	528.0	528.6	529.0	529.6	52.5°
165°	538.4	538.8	539.8	537.8	539.8	538.8	538.4	537.8	538.4	538.8	539.3	55°
167.5°	549.7	550.6	552.5	550.6	552.5	550.6	549.7	548.7	548.4	548.1	547.9	57.5°
170°	556.7	557.9	560.5	558.5	560.5	557.9	556.7	555.5	555.1	554.5	554.1	60°
172.5°	558.3	558.9	560.5	557.5	560.5	558.9	558.3	557.5	557.3	556.9	556.7	62.5°
175°	558.3	558.9	560.5	557.5	560.5	558.9	558.3	557.5	557.9	558.5	558.9	65°
177.5°	564.1	564.9	566.3	563.3	566.3	564.9	564.1	563.3	563.3	563.3	563.3	67.5°
180°	565.3	565.3	565.3	565.3	565.3	565.3	565.3	565.3	565.3	565.3	565.3	70°
												71°
												72.5°
												75°
												77.5°
												80°
												82.5°
												85°
												87.5°
												90°
												92.5°
												95°
												97.5°
												100°
												102.5°
												105°
												107.5°

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REPORT NUMBER: P
 CATALOG NUMBER:

DISTRIBUTION (continued):

CANDELA DISTRIBUTION

115°	117.5°	120°	122.5°	125°	127.5°	130°	135°	145°	155°	165°	110°	115°
408.7	408.7	408.7	408.7	408.7	408.7	408.7	408.7	408.7	408.7	408.7	110°	111.9
403.2	397.7	402.5	397.7	400.5	395.0	398.4	396.3	396.3	394.3	392.9	112.5°	133.5
397.1	390.1	393.5	388.1	390.9	382.7	384.7	381.3	374.4	370.3	364.8	115°	155.0
388.1	377.8	380.6	372.3	374.4	363.5	365.5	359.3	346.4	338.1	329.9	117.5°	177.7
372.3	362.7	363.5	353.2	352.6	341.5	339.5	331.4	312.1	298.5	287.5	120°	200.2
356.6	345.7	344.3	331.9	329.9	316.9	314.1	301.2	273.2	246.4	229.2	122.5°	223.8
340.2	326.5	322.4	309.4	301.9	290.9	283.3	264.2	223.9	188.9	166.4	125°	249.3
321.8	304.0	297.8	282.7	271.7	255.3	244.4	218.4	166.4	128.6	113.0	127.5°	271.8
297.8	278.7	267.7	248.5	234.1	214.2	200.5	167.1	110.9	91.8	89.7	130°	295.5
271.1	248.5	234.7	210.8	193.0	171.8	149.8	113.0	78.7	74.6	77.3	132.5°	319.0
243.0	215.0	197.2	167.7	143.8	119.1	98.5	75.3	64.4	63.7	67.7	135°	341.5
209.5	177.2	151.9	117.0	95.1	76.0	67.0	59.6	54.8	55.4	59.6	137.5°	362.2
172.5	130.7	104.0	73.2	63.7	55.4	54.1	51.3	49.2	50.7	53.4	140°	382.8
128.6	83.5	67.0	52.7	52.0	47.3	48.6	47.3	46.5	47.3	49.2	142.5°	404.3
87.0	55.4	52.7	45.2	46.5	43.1	45.2	44.5	43.7	43.7	45.2	145°	425.0
60.3	45.8	47.3	41.7	43.7	41.1	43.1	42.4	41.7	41.1	41.7	147.5°	443.7
49.9	41.7	43.7	39.7	41.7	39.1	41.1	40.3	39.7	38.4	38.4	150°	460.3
45.8	39.7	41.7	37.7	40.3	37.0	39.7	38.4	37.0	35.7	36.3	152.5°	477.0
44.5	38.4	40.3	36.3	39.1	35.7	37.7	37.0	34.2	33.6	34.2	155°	493.7
43.1	37.7	39.7	35.7	37.7	34.2	36.3	34.9	32.2	31.5	32.2	157.5°	507.5
42.4	36.3	38.4	34.2	36.3	33.6	34.9	33.6	30.8	30.1	30.1	160°	520.2
41.7	35.7	37.7	32.9	34.9	30.8	32.9	31.5	28.7	28.0	28.0	162.5°	530.0
41.7	34.9	36.3	31.5	33.6	29.5	30.8	29.5	28.0	26.7	26.7	165°	539.8
41.1	33.6	35.7	30.1	31.5	28.0	29.5	28.0	26.1	25.3	25.3	167.5°	547.7
41.1	32.9	34.9	29.5	30.8	26.7	28.0	26.7	24.6	24.0	24.0	170°	553.5
43.1	34.2	35.7	30.1	30.8	26.7	27.4	25.3	23.3	23.3	22.5	172.5°	556.5
47.3	38.4	38.4	31.5	31.5	26.7	27.4	24.6	21.9	21.9	21.9	175°	559.5
51.3	42.4	41.7	33.6	32.9	26.7	26.7	23.3	20.5	20.5	20.5	177.5°	563.3
54.1	44.5	43.1	34.2	32.9	26.1	25.3	21.9	19.1	19.1	19.1	180°	565.3
53.4	44.5	42.4	33.6	31.5	24.6	24.6	21.2	18.4	18.4	17.8		
50.7	41.7	39.7	31.5	30.1	23.3	23.3	19.9	17.1	17.1	16.3		
43.1	35.7	33.6	26.7	25.3	20.5	19.9	16.3	15.0	14.4	14.4		
33.6	28.0	26.1	21.2	20.5	16.3	15.7	13.7	12.4	12.4	11.7		
24.0	19.9	18.4	14.4	13.0	11.0	11.7	10.3	9.6	9.6	8.9		
14.4	10.3	10.3	8.3	8.9	6.8	7.5	7.5	6.8	5.5	5.5		
7.5	4.9	6.2	3.4	4.9	2.1	3.4	2.8	2.8	2.1	2.1		
1.3	0.0	0.7	0.0	0.7	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	0.0	0.0	0.0	0.0	0.0		
1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0		
6.8	8.4	9.8	11.3	12.8	11.8	10.8	8.8	4.0	3.0	2.0		
29.5	29.9	30.5	30.9	31.4	30.9	30.5	29.5	21.6	13.7	9.8		
49.0	49.2	49.6	49.9	50.0	49.9	49.6	49.0	44.2	37.3	31.4		
69.7	69.7	69.7	69.7	69.7	69.5	69.2	68.7	64.8	59.8	55.0		
90.3	90.5	90.8	91.1	91.3	90.8	90.3	89.3	86.3	82.5	78.5		

'271432
 ISC-AF-350-LED-E1-SL2-7027-ULG

REPORT NUMBER: P271432
 CATALOG NUMBER: ISC-AF-35

TION (continued):

CANDELA DISTRIBUTION (con

117.5°	120°	122.5°	125°	127.5°	130°	135°	145°	155°	165°		175°	180°
111.9	111.9	111.9	111.9	111.4	110.9	110.0	108.0	104.0	101.1	0°	408.7	408.7
133.5	133.5	133.5	133.5	132.9	132.5	131.5	129.5	126.6	123.7	2.5°	388.8	389.4
155.0	155.0	155.0	155.0	154.6	154.1	153.1	151.2	148.2	146.2	5°	362.1	363.5
177.4	177.1	176.9	176.7	176.4	176.2	175.7	173.7	170.8	168.8	7.5°	323.7	325.8
200.2	200.2	200.2	200.2	199.7	199.2	198.3	197.3	194.3	192.3	10°	277.9	279.2
223.8	223.8	223.8	223.8	223.6	223.3	222.8	221.8	218.8	216.9	12.5°	219.1	219.1
249.1	248.8	248.5	248.3	248.1	247.8	247.3	246.3	243.4	242.5	15°	153.3	154.7
272.1	272.4	272.6	272.8	272.4	271.8	270.9	269.0	267.0	265.0	17.5°	107.4	108.2
295.5	295.5	295.5	295.5	294.9	294.5	293.5	292.5	288.5	287.5	20°	90.4	91.1
319.0	319.0	319.0	319.0	318.2	317.6	316.0	315.0	312.1	311.2	22.5°	80.8	81.5
341.5	341.5	341.5	341.5	340.7	340.1	338.6	338.6	334.7	332.7	25°	71.9	72.5
362.2	362.2	362.2	362.2	361.7	361.2	360.2	360.2	357.3	356.3	27.5°	62.3	63.0
382.8	382.8	382.8	382.8	382.6	382.3	381.8	380.8	378.8	377.8	30°	56.1	56.9
404.3	404.3	404.3	404.3	403.9	403.4	402.4	402.4	399.5	400.5	32.5°	50.7	51.3
425.2	425.4	425.8	426.0	425.4	425.0	424.0	423.0	420.0	420.0	35°	45.8	45.8
444.1	444.6	445.1	445.6	445.4	445.1	444.6	443.7	439.7	438.7	37.5°	42.4	42.4
460.8	461.3	461.8	462.3	462.1	461.8	461.3	460.3	456.4	455.4	40°	39.1	39.1
477.2	477.4	477.8	478.0	477.8	477.4	477.0	476.0	473.0	474.0	42.5°	37.0	37.0
493.9	494.2	494.4	494.7	494.4	494.2	493.7	493.7	491.7	492.7	45°	34.9	34.9
507.9	508.4	508.9	509.4	509.4	509.4	509.4	509.4	506.5	507.5	47.5°	32.9	32.9
520.7	521.2	521.6	522.2	522.2	522.2	522.2	522.2	519.2	519.2	50°	30.8	31.5
530.4	531.0	531.4	532.0	531.8	531.4	531.0	531.0	528.0	529.0	52.5°	28.7	28.7
540.6	541.3	541.9	542.8	542.6	542.3	541.8	541.8	537.8	538.8	55°	26.7	26.7
548.1	548.7	549.1	549.7	549.7	549.7	549.7	550.6	547.7	548.7	57.5°	24.6	25.3
553.7	554.1	554.3	554.5	554.7	555.1	555.5	556.5	554.5	555.5	60°	23.3	23.3
556.9	557.5	557.9	558.5	558.3	557.9	557.5	558.5	556.5	558.5	62.5°	21.9	21.9
560.3	560.9	561.6	562.4	562.2	561.9	561.4	561.4	558.5	559.5	65°	21.2	21.2
564.1	564.9	565.6	566.3	566.3	566.3	566.3	567.3	563.3	564.3	67.5°	19.9	19.9
565.3	565.3	565.3	565.3	565.3	565.3	565.3	565.3	565.3	565.3	70°	18.4	18.4
										71°	17.8	17.8
										72.5°	16.3	16.3
										75°	14.4	13.7
										77.5°	11.7	11.7
										80°	8.9	8.3
										82.5°	5.5	4.9
										85°	2.1	1.3
										87.5°	0.0	0.0
										90°	0.0	0.0
										92.5°	0.0	0.0
										95°	1.0	1.0
										97.5°	2.0	2.0
										100°	7.8	7.8
										102.5°	27.5	27.5
										105°	53.0	53.0
										107.5°	75.5	76.5



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CANDELA DISTRIBUTION (continued):

	175°	180°
110°	100.1	99.2
112.5°	121.7	121.7
115°	144.3	143.3
117.5°	166.8	165.8
120°	191.4	189.5
122.5°	216.0	215.0
125°	241.5	239.5
127.5°	264.0	262.0
130°	286.6	284.7
132.5°	308.2	307.2
135°	330.8	329.8
137.5°	353.3	352.3
140°	375.9	375.0
142.5°	398.5	396.5
145°	418.1	417.2
147.5°	435.8	435.8
150°	453.5	452.5
152.5°	471.1	470.2
155°	490.7	489.8
157.5°	505.5	503.5
160°	517.2	515.3
162.5°	526.0	525.1
165°	536.8	535.9
167.5°	545.7	544.7
170°	552.5	551.6
172.5°	555.5	554.5
175°	558.5	556.5
177.5°	562.4	561.4
180°	565.3	565.3

(END OF REPORT)

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

