

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: INVUE

Report Number: P181603

Luminaire Tested: **ICS-F03-LED-E1-T4-HSS-7030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P181603
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33725)
Test Lab: INNOVATION CENTER-P3
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: ICS-F03-LED-E1-T4-HSS-7030
Description: ICON SITE SMALL LED LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 4 W/ HOUSE SIDE SHIELD
Light Source: (21) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3937.5 lumens
Efficiency: N/A
Efficacy: 50.3 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.5' x L: 1' x H: 0.1')
IES Classification: Type IV - Short - Semi-Cutoff
BUG Rating: B0 - U0 - G2

Input Watts (W): 78.3
Input Voltage (V): NR
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



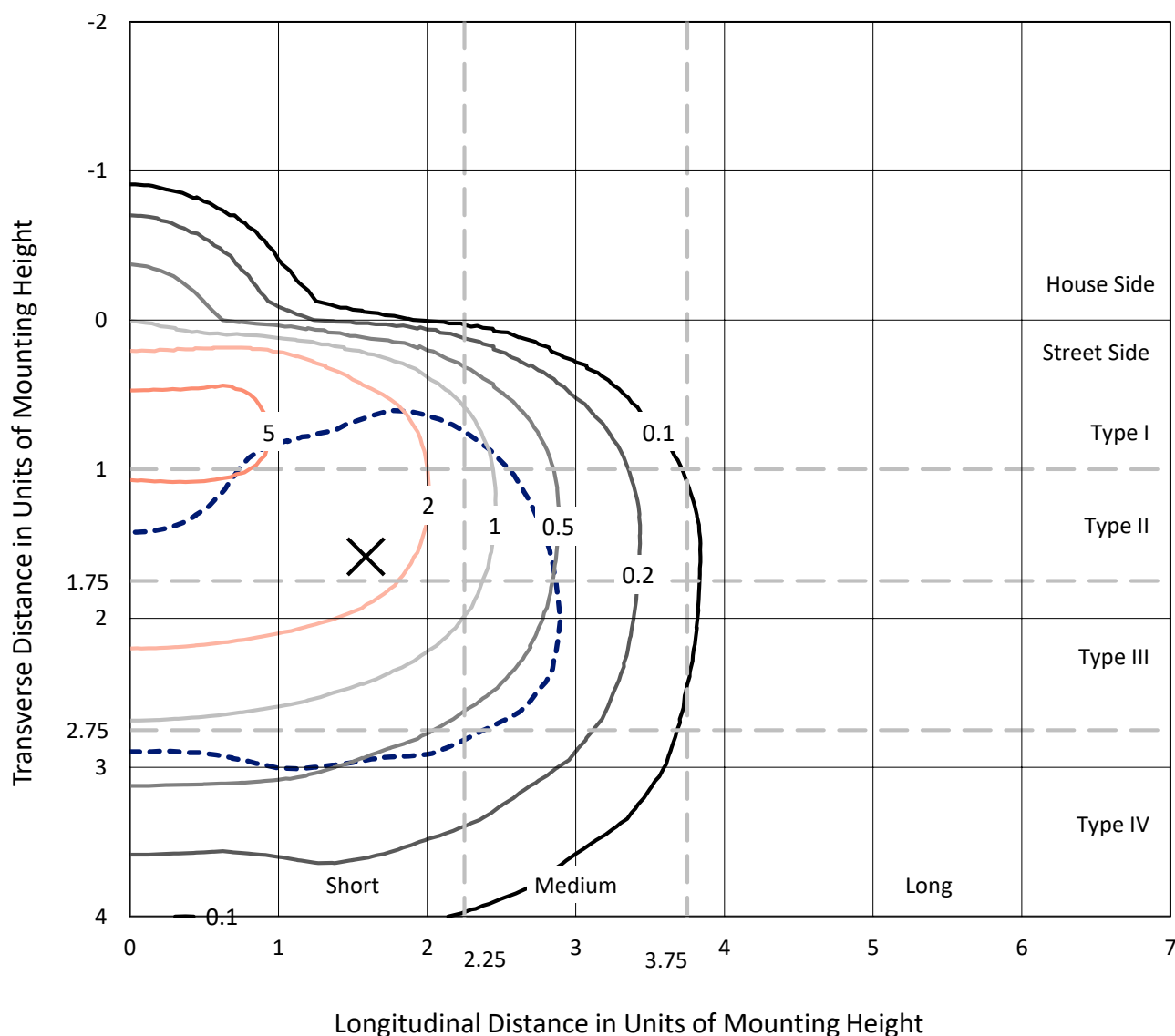
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

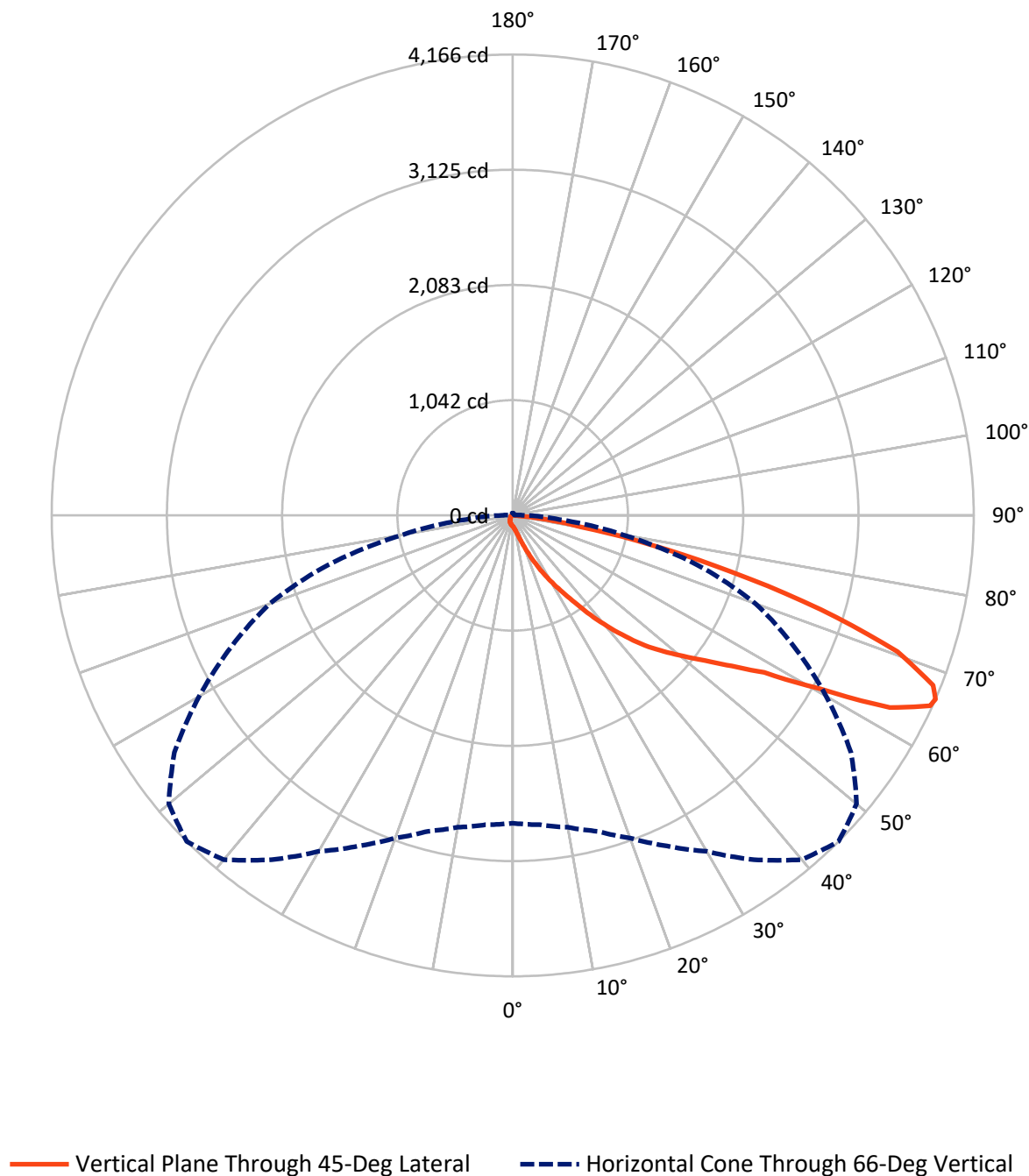


Based on 10 foot mounting height. Maximum calculated value = 6.2 fc
 Type IV - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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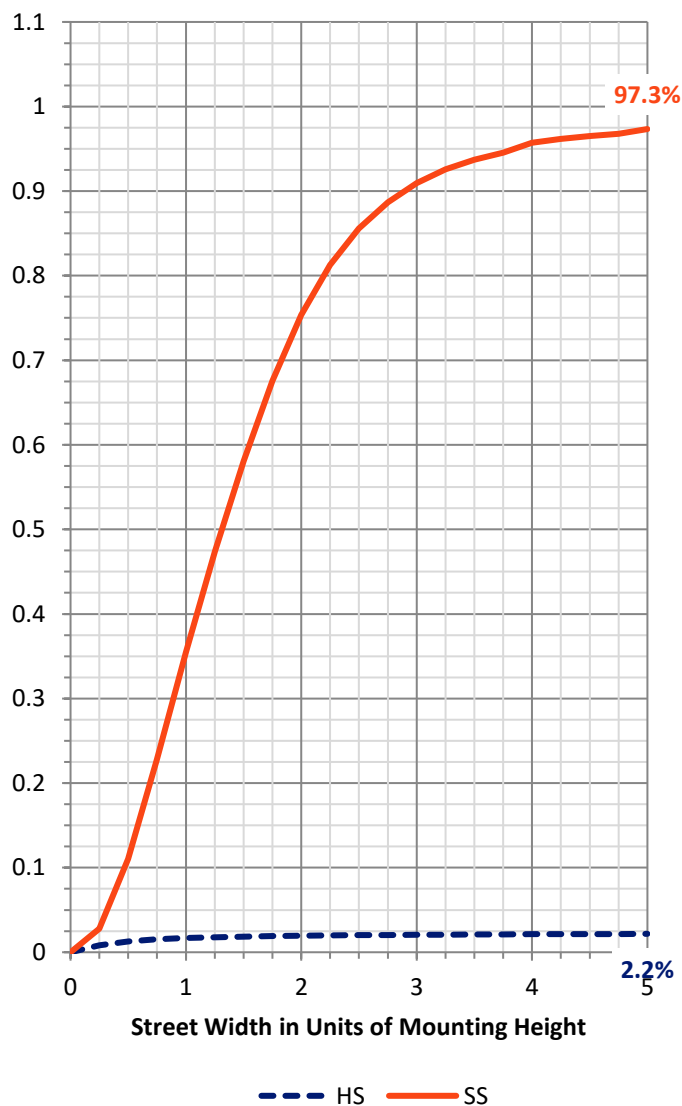
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	89.2	0.0	89.2
	% Fixture	2.3	0.0	2.3
Street Side	Lumens	3848.3	0.0	3848.3
	% Fixture	97.7	0.0	97.7
Total	Lumens	3937.5	0.0	3937.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.9	0.3
10°-20°	40.2	1.0
20°-30°	117.6	3.0
30°-40°	274.8	7.0
40°-50°	516.1	13.1
50°-60°	855.4	21.7
60°-70°	1357.9	34.5
70°-80°	702.2	17.8
80°-90°	63.4	1.6
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3937.5	100.0
0°-180°	3937.5	100.0

Coefficient of Utilization



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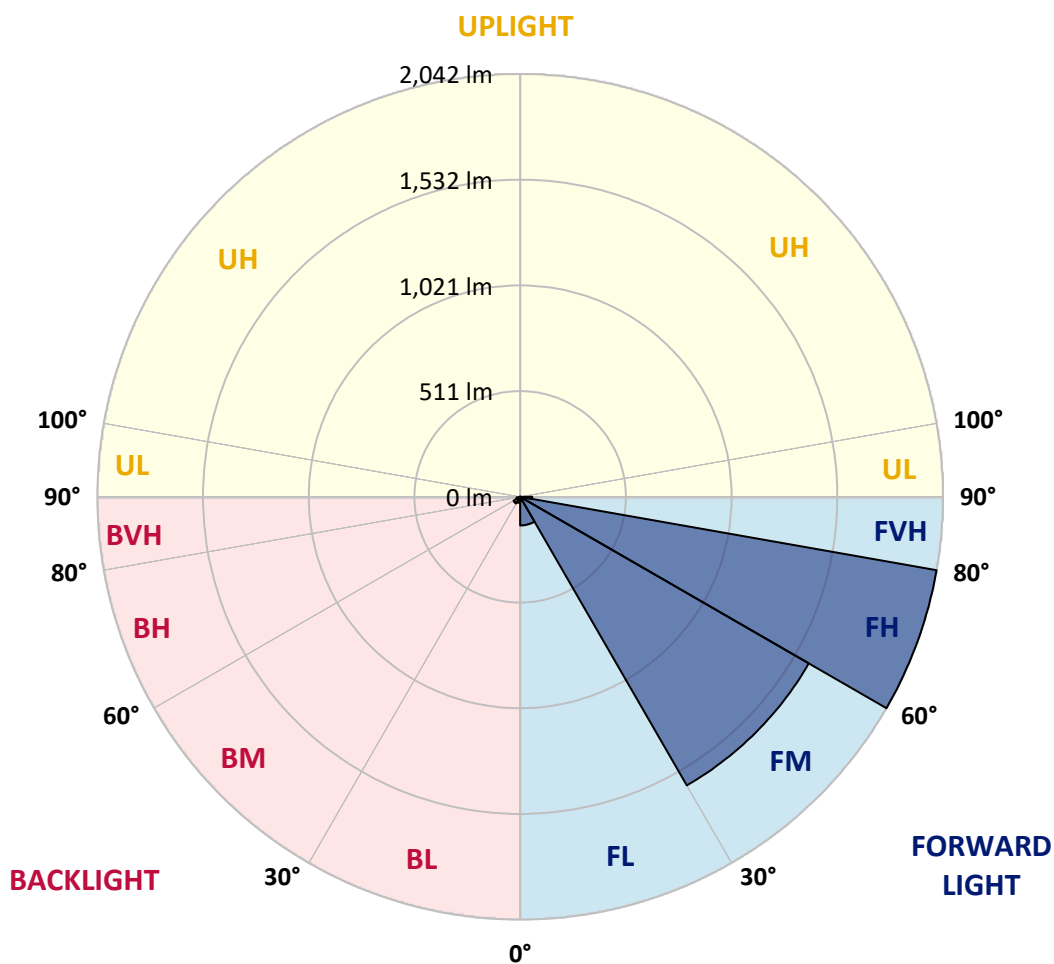
CATALOG NUMBER: ICS-F03-LED-E1-T4-HSS-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	138.6	3.5			
FM	(30°-60°)	1609.3	40.9			
FH	(60°-80°)	2042.0	51.9			G2/5000
FVH	(80°-90°)	58.4	1.5			G1/100
BL	(0°-30°)	29.1	0.7	B0/110		
BM	(30°-60°)	37.0	0.9	B0/220		
BH	(60°-80°)	18.1	0.5	B0/110		G0/110
BVH	(80°-90°)	5.0	0.1			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G2

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
2.5°	106.5	106.5	106.5	106.5	105.9	105.2	104.5	103.8	103.2	103.2	102.5
5°	120.8	121.5	120.8	120.1	118.8	118.1	116.0	114.7	112.7	112.0	109.9
7.5°	140.5	139.8	140.5	138.4	135.7	135.0	132.3	128.9	126.2	122.2	119.4
10°	169.0	168.3	169.0	164.9	160.8	157.4	152.7	148.6	142.5	137.8	132.3
12.5°	214.4	214.4	213.1	207.7	202.2	194.8	187.3	178.5	167.6	158.1	149.3
15°	284.3	281.0	274.8	271.5	262.0	250.4	242.3	224.6	209.0	194.1	176.4
17.5°	368.5	361.7	357.0	349.5	337.3	322.3	308.8	283.0	267.4	242.9	217.8
20°	464.9	456.7	455.4	443.8	430.9	414.6	395.0	364.4	338.0	307.4	272.1
22.5°	563.3	564.6	559.2	551.0	538.2	519.2	488.6	460.8	428.2	389.5	344.1
25°	673.2	672.5	667.8	658.3	648.8	625.0	600.6	574.1	535.4	485.9	431.6
27.5°	776.4	775.7	764.1	764.8	746.5	737.7	713.9	685.4	638.6	597.2	538.2
30°	884.3	877.5	870.0	864.6	851.7	836.1	823.9	789.9	754.6	705.8	657.6
32.5°	993.5	986.1	988.1	981.3	971.1	955.5	937.2	909.4	871.4	823.9	779.1
35°	1127.2	1123.8	1118.4	1120.4	1118.4	1106.8	1091.2	1054.6	1013.2	967.7	921.6
37.5°	1226.3	1222.9	1226.3	1240.5	1243.9	1251.4	1239.9	1221.5	1191.7	1142.1	1094.0
40°	1317.9	1318.6	1334.2	1351.8	1364.0	1388.5	1392.6	1385.1	1361.3	1315.9	1252.8
42.5°	1400.0	1410.2	1424.4	1453.6	1480.1	1514.7	1540.5	1544.6	1526.9	1497.1	1433.3
45°	1491.6	1500.5	1522.8	1557.5	1594.1	1636.9	1678.3	1700.0	1698.6	1677.6	1609.0
47.5°	1594.1	1605.6	1630.1	1658.6	1707.4	1755.6	1809.2	1847.9	1864.2	1835.0	1768.5
50°	1718.3	1723.0	1744.1	1780.7	1825.5	1881.2	1939.5	1995.9	2027.7	2000.6	1932.1
52.5°	1865.6	1866.9	1886.6	1920.5	1956.5	2017.6	2074.6	2152.6	2194.0	2179.1	2097.0
55°	2067.8	2063.7	2077.3	2106.5	2135.7	2194.7	2251.7	2339.9	2400.3	2401.7	2314.1
57.5°	2344.0	2334.5	2343.3	2366.4	2399.0	2453.9	2525.9	2603.9	2684.7	2679.2	2607.3
60°	2728.8	2725.4	2741.7	2780.4	2836.0	2893.0	2974.4	3079.6	3150.9	3175.3	3100.0
62.5°	2984.6	2994.1	3031.4	3091.2	3198.4	3316.5	3467.8	3628.6	3764.4	3825.4	3721.6
65°	2874.7	2890.3	2948.7	3036.9	3178.7	3355.8	3556.7	3820.7	4054.8	4147.8	4039.9
66°	2781.7	2806.8	2861.8	2955.4	3103.4	3296.8	3506.5	3798.3	4061.6	4166.1	4056.2
67.5°	2620.9	2638.5	2701.0	2804.8	2963.6	3155.0	3381.6	3689.7	3987.0	4097.6	3988.3
70°	2293.1	2299.9	2350.8	2439.0	2561.8	2758.0	2963.6	3260.1	3533.6	3689.0	3569.6
72.5°	1706.8	1716.3	1800.4	1961.2	2120.7	2232.0	2353.5	2591.0	2767.5	2912.7	2889.6
75°	821.1	825.2	881.5	1116.3	1427.2	1560.2	1672.8	1856.7	1923.9	2045.4	2027.1
77.5°	520.5	529.3	566.0	623.0	799.4	957.5	1046.4	1151.6	1171.3	1273.8	1214.1
80°	143.2	166.3	202.9	298.6	512.4	610.8	650.8	646.7	650.8	619.6	599.2
82.5°	29.2	28.5	34.6	53.6	226.0	355.6	384.1	327.1	325.1	312.8	323.0
85°	7.5	6.8	8.1	17.0	38.7	105.2	132.3	74.0	56.3	53.6	47.5
87.5°	2.0	2.0	2.0	3.4	4.1	5.4	7.5	5.4	4.1	4.1	4.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CATALOG NUMBER: ICS-F03-LED-E1-T4-HSS-7030

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
2.5°	101.8	101.8	101.1	100.4	100.4	99.8	99.1	98.4	97.7	97.0	96.4
5°	107.9	106.5	104.5	103.2	101.8	99.8	98.4	97.0	95.7	95.0	93.7
7.5°	116.0	112.7	109.9	105.9	103.2	100.4	97.7	95.7	93.7	92.3	90.9
10°	126.2	120.8	115.4	109.9	105.2	101.1	97.0	93.7	91.6	89.6	88.2
12.5°	139.1	131.0	123.5	115.4	107.9	101.8	96.4	92.3	89.6	87.5	85.5
15°	160.2	147.3	134.4	122.2	112.7	103.2	95.7	90.9	87.5	85.5	83.5
17.5°	193.4	170.3	150.0	133.0	117.4	105.2	95.7	89.6	85.5	82.8	80.8
20°	241.6	203.6	171.0	146.6	126.2	108.6	95.7	87.5	83.5	80.1	78.0
22.5°	298.6	251.1	206.3	165.6	136.4	113.3	95.7	85.5	80.8	78.0	75.3
25°	382.1	319.0	257.9	200.9	153.4	120.8	97.7	84.2	78.7	75.3	72.6
27.5°	479.8	403.8	327.8	247.7	179.2	131.7	100.4	82.8	76.7	72.6	69.9
30°	591.1	506.9	414.0	310.1	213.1	145.9	105.2	82.1	74.0	69.9	66.5
32.5°	711.9	623.0	521.2	390.2	263.3	167.6	111.3	81.4	71.3	66.5	62.4
35°	855.8	773.0	648.8	502.9	341.4	204.9	124.9	82.8	68.5	63.1	58.4
37.5°	1013.2	925.0	793.3	622.3	418.7	247.0	135.0	80.8	63.8	58.4	53.6
40°	1172.0	1070.9	937.2	747.9	517.1	298.6	147.9	78.7	59.0	53.6	48.9
42.5°	1326.7	1220.2	1075.0	876.8	620.9	359.7	164.2	78.7	55.6	48.9	44.1
45°	1488.9	1360.7	1201.9	1000.3	724.1	429.6	187.3	78.0	51.6	44.8	39.4
47.5°	1642.3	1490.3	1307.7	1108.9	834.7	506.3	213.8	78.7	48.2	40.7	36.0
50°	1787.5	1613.1	1416.3	1205.9	940.6	589.1	246.3	79.4	44.8	37.3	32.6
52.5°	1946.3	1752.9	1533.0	1305.7	1045.1	672.5	284.3	80.8	41.4	33.9	29.9
55°	2143.1	1928.7	1676.9	1427.8	1155.7	756.7	321.0	82.1	38.0	31.2	27.1
57.5°	2426.8	2182.5	1910.3	1611.1	1302.3	852.4	359.0	85.5	35.3	29.2	25.1
60°	2888.3	2597.1	2282.9	1930.0	1521.5	982.0	414.0	93.0	31.9	26.5	23.8
62.5°	3443.4	3093.2	2693.5	2265.3	1727.8	1069.5	450.6	101.1	29.2	24.4	22.4
65°	3723.0	3281.9	2821.1	2358.9	1754.3	1043.7	435.7	98.4	25.8	21.7	19.0
66°	3731.1	3271.7	2803.4	2338.6	1727.1	1012.5	421.4	97.0	25.1	21.0	17.6
67.5°	3653.7	3184.1	2709.8	2246.3	1647.0	952.1	395.6	92.3	23.1	19.0	15.6
70°	3271.7	2814.3	2379.3	1951.1	1417.0	802.1	331.9	81.4	20.4	17.0	14.3
72.5°	2608.0	2235.4	1868.9	1535.1	1101.4	601.9	262.0	66.5	17.6	14.9	12.2
75°	1821.4	1515.4	1236.5	998.3	692.2	360.4	169.7	46.8	14.9	12.2	10.2
77.5°	1016.6	806.2	609.4	464.2	276.2	112.7	56.3	23.8	12.9	9.5	8.1
80°	517.1	383.4	291.8	215.1	127.6	58.4	28.5	15.6	10.2	7.5	6.8
82.5°	300.6	220.6	175.8	139.1	87.5	44.1	23.1	11.5	6.8	5.4	6.1
85°	67.2	88.9	75.3	63.8	46.8	27.8	16.3	7.5	4.8	4.8	5.4
87.5°	5.4	7.5	6.8	8.8	9.5	8.8	6.8	4.1	3.4	4.1	4.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
2.5°	95.7	95.0	95.0	94.3	93.7	93.7	93.7	93.0	93.7	93.7	93.7
5°	93.0	92.3	91.6	90.9	90.3	89.6	89.6	88.9	88.9	88.9	89.6
7.5°	90.3	88.9	88.2	86.9	86.2	85.5	85.5	84.8	84.8	84.8	84.8
10°	86.9	85.5	84.2	83.5	82.8	81.4	81.4	80.8	80.1	80.1	80.1
12.5°	84.2	82.8	81.4	80.1	78.7	78.0	77.4	76.7	76.0	76.0	76.0
15°	81.4	79.4	78.0	76.7	75.3	74.0	73.3	72.6	71.9	71.3	71.3
17.5°	78.7	76.7	74.6	73.3	71.9	70.6	69.9	67.9	67.9	67.2	67.2
20°	75.3	73.3	71.3	69.9	68.5	67.2	65.8	64.5	63.1	62.4	62.4
22.5°	72.6	70.6	68.5	66.5	64.5	62.4	61.1	59.7	59.0	58.4	57.7
25°	69.9	67.2	64.5	62.4	60.4	58.4	57.0	55.6	54.3	53.6	53.6
27.5°	66.5	63.8	61.1	58.4	56.3	54.3	52.9	50.9	50.2	49.5	48.9
30°	63.1	59.7	57.0	54.3	52.3	49.5	48.2	46.8	45.5	45.5	44.8
32.5°	59.0	55.6	52.9	50.2	47.5	45.5	44.1	42.8	42.1	40.7	40.7
35°	55.0	51.6	48.2	45.5	43.4	41.4	40.0	38.7	37.3	36.6	36.6
37.5°	50.2	46.8	44.1	41.4	39.4	37.3	36.0	34.6	33.9	33.3	32.6
40°	44.8	41.4	39.4	37.3	35.3	33.9	31.9	30.5	29.9	29.2	28.5
42.5°	40.0	36.6	35.3	33.9	31.9	30.5	28.5	27.1	25.8	25.1	24.4
45°	36.0	33.3	31.9	30.5	28.5	26.5	25.1	23.8	22.4	21.7	21.7
47.5°	31.9	29.9	28.5	27.1	25.1	23.8	21.7	21.0	19.7	19.7	19.7
50°	29.2	27.1	25.8	24.4	23.1	21.0	19.7	19.0	18.3	18.3	19.0
52.5°	27.1	25.1	23.8	22.4	21.0	19.7	18.3	17.6	17.6	18.3	19.0
55°	25.1	23.1	21.7	20.4	19.0	18.3	17.0	17.0	17.6	18.3	19.0
57.5°	23.8	21.0	19.7	19.0	17.6	17.0	17.0	17.0	17.6	18.3	19.7
60°	21.7	19.0	17.6	17.6	16.3	16.3	16.3	17.0	17.6	19.0	19.7
62.5°	19.0	17.0	16.3	16.3	15.6	15.6	16.3	17.0	18.3	19.0	19.7
65°	16.3	14.9	14.9	14.9	14.9	15.6	16.3	17.0	17.6	19.0	19.7
66°	14.9	14.3	14.3	14.9	14.9	15.6	16.3	17.0	17.6	18.3	19.0
67.5°	14.3	13.6	13.6	14.3	14.9	14.9	15.6	17.0	17.6	18.3	18.3
70°	12.2	12.2	12.2	13.6	14.3	14.9	15.6	16.3	17.0	17.6	18.3
72.5°	10.9	10.9	11.5	12.2	13.6	14.3	14.9	15.6	17.0	17.6	17.6
75°	9.5	9.5	10.9	11.5	12.9	13.6	14.9	15.6	16.3	17.0	17.0
77.5°	8.1	8.8	10.2	11.5	12.2	13.6	14.3	14.9	15.6	16.3	16.3
80°	7.5	8.8	10.2	10.9	11.5	12.2	12.9	14.3	14.9	15.6	16.3
82.5°	7.5	8.1	9.5	10.2	10.9	12.2	12.9	13.6	14.3	14.9	15.6
85°	6.1	7.5	8.1	9.5	10.2	11.5	12.2	12.2	12.9	13.6	14.3
87.5°	4.8	5.4	5.4	6.8	7.5	8.8	10.2	10.2	10.9	11.5	12.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°
0°	98.4	98.4	98.4	98.4
2.5°	93.7	94.3	94.3	94.3
5°	89.6	89.6	89.6	89.6
7.5°	84.8	84.8	84.8	84.8
10°	80.1	80.1	80.8	80.1
12.5°	76.0	75.3	75.3	75.3
15°	71.3	71.3	70.6	71.3
17.5°	66.5	66.5	65.8	65.8
20°	61.8	61.8	61.8	61.8
22.5°	57.7	57.0	57.0	57.0
25°	52.9	52.9	52.9	52.9
27.5°	48.9	48.9	48.9	48.9
30°	44.8	44.8	44.1	44.1
32.5°	40.7	40.7	40.7	40.7
35°	36.6	36.6	36.0	36.0
37.5°	31.9	31.9	31.9	31.9
40°	27.8	27.8	27.8	27.8
42.5°	24.4	24.4	23.8	23.8
45°	21.0	21.0	21.0	21.0
47.5°	19.7	19.7	19.7	19.7
50°	19.0	19.7	19.7	19.7
52.5°	19.7	19.7	19.7	19.7
55°	19.7	20.4	20.4	20.4
57.5°	19.7	20.4	20.4	21.0
60°	20.4	21.0	21.0	21.0
62.5°	20.4	21.0	21.0	21.0
65°	19.7	20.4	20.4	20.4
66°	19.7	19.7	19.7	20.4
67.5°	19.0	19.7	19.7	19.7
70°	18.3	19.0	19.0	19.7
72.5°	18.3	19.0	19.0	19.0
75°	17.6	17.6	18.3	18.3
77.5°	17.0	17.0	17.6	17.6
80°	16.3	17.0	17.0	17.0
82.5°	15.6	16.3	16.3	16.3
85°	14.3	14.9	14.9	14.9
87.5°	12.2	12.2	12.9	12.9
90°	0.0	0.0	0.0	0.0

(END OF REPORT)