

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: P436901

Luminaire Tested: **TT-D6-740-U-5MQ-PM-HSS**

Issue Date: 12/2/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P436901  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2010-017-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 12/2/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: TT-D6-740-U-5MQ-PM-HSS  
Description: TOPTIER LED SITE LUMINAIRE  
4000K, 70 CRI LEDS AND MEDIUM DISTRIBUTION WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

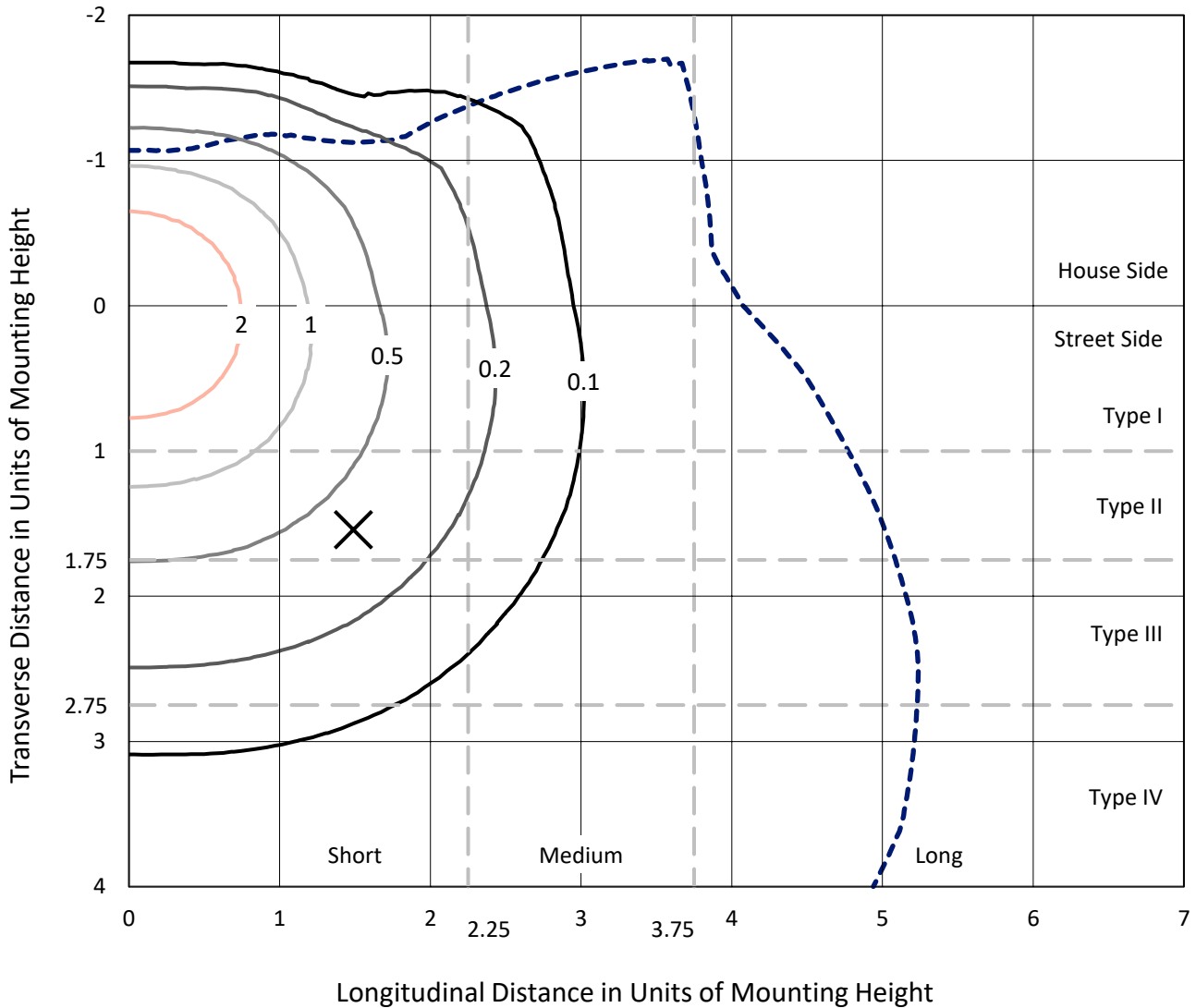
Lumens per Lamp: N/A  
Luminaire Lumens: 11155.1 lumens  
Efficiency: N/A  
Efficacy: 106.0 lumens/watt  
Luminous Opening: Circular (Dia: 1.12' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B3 - U2 - G3  
  
Input Watts (W): 105.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage 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: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

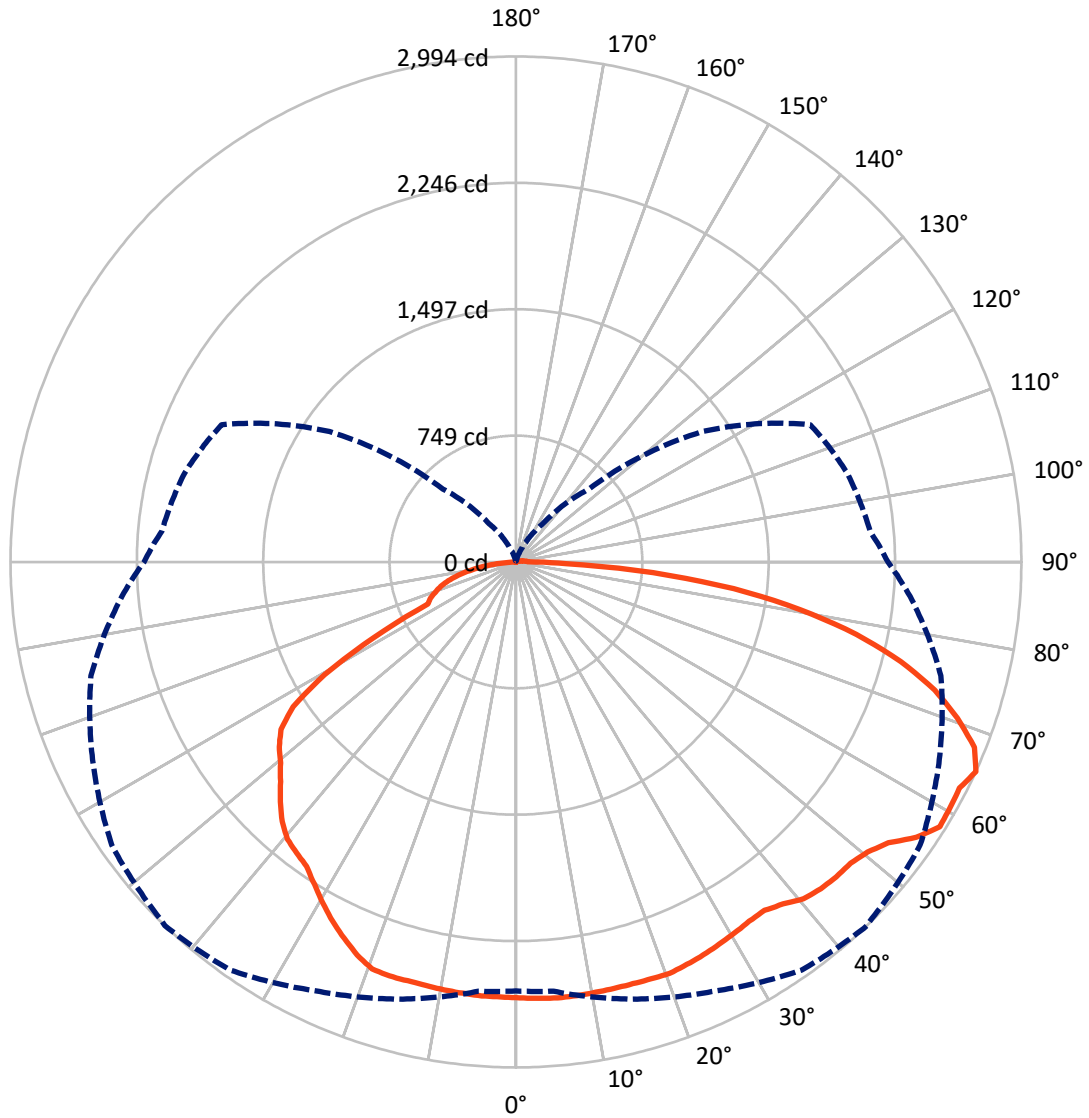
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.1 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 44-Deg Lateral      - - - Horizontal Cone Through 65-Deg Vertical

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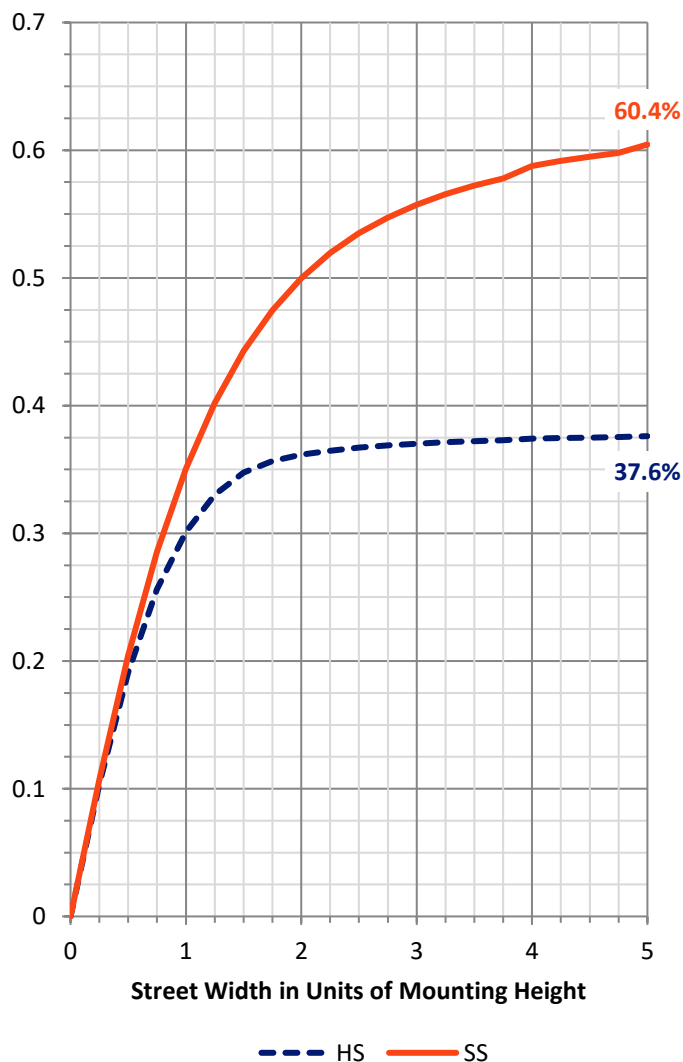
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4223.8	3.0	4226.8
	% Fixture	37.9	0.0	37.9
<b>Street Side</b>	Lumens	6890.4	37.9	6928.3
	% Fixture	61.8	0.3	62.1
<b>Total</b>	Lumens	11114.2	40.9	11155.1
	% Fixture	99.6	0.4	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	246.6	2.2
10°-20°	730.0	6.5
20°-30°	1161.7	10.4
30°-40°	1488.3	13.3
40°-50°	1763.2	15.8
50°-60°	1931.1	17.3
60°-70°	1835.5	16.5
70°-80°	1461.4	13.1
80°-90°	496.5	4.5
90°-100°	26.2	0.2
100°-110°	8.6	0.1
110°-120°	1.9	0.0
120°-130°	1.2	0.0
130°-140°	0.9	0.0
140°-150°	0.9	0.0
150°-160°	0.6	0.0
160°-170°	0.4	0.0
170°-180°	0.1	0.0
0°-90°	11114.2	99.6
0°-180°	11155.1	100.0

**Coefficient of Utilization**

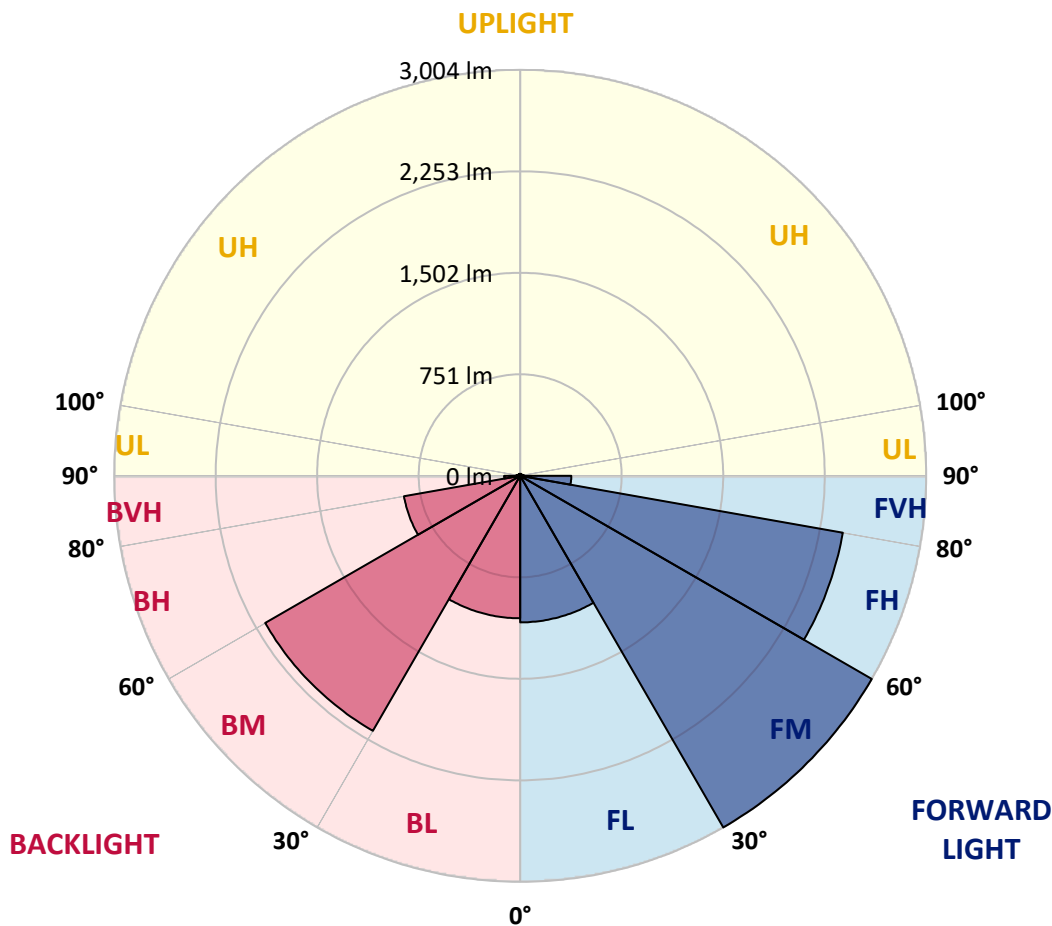


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1084.2	9.7			
FM (30°-60°)	3003.9	26.9			
FH (60°-80°)	2424.1	21.7			G2/5000
FVH (80°-90°)	378.2	3.4			G3/500
BL (0°-30°)	1054.0	9.4	B3/2500		
BM (30°-60°)	2178.7	19.5	B2/2500		
BH (60°-80°)	872.8	7.8	B2/1000		G2/1000
BVH (80°-90°)	118.3	1.1			G2/225
UL (90°-100°)	26.2	0.2		U2/50	
UH (100°-180°)	14.7	0.1		U2/50	

**BUG Rating: B3-U2-G3**  
 Type IV Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	44°	45°	55°	65°	75°	85°
0°	2582.3	2582.3	2582.3	2582.3	2582.3	2582.3	2582.3	2582.3	2582.3	2582.3	2582.3
2.5°	2592.2	2590.2	2590.2	2590.2	2590.2	2588.2	2590.2	2586.2	2588.2	2582.3	2582.3
5°	2598.1	2594.1	2596.1	2596.1	2596.1	2594.1	2596.1	2590.2	2592.2	2584.3	2582.3
7.5°	2600.0	2598.1	2598.1	2598.1	2598.1	2594.1	2596.1	2592.2	2590.2	2584.3	2580.3
10°	2600.0	2598.1	2598.1	2598.1	2596.1	2592.2	2594.1	2588.2	2588.2	2580.3	2576.4
12.5°	2600.0	2598.1	2600.0	2596.1	2596.1	2592.2	2592.2	2586.2	2586.2	2576.4	2572.4
15°	2598.1	2596.1	2596.1	2598.1	2596.1	2592.2	2592.2	2586.2	2584.3	2572.4	2568.5
17.5°	2596.1	2594.1	2596.1	2598.1	2600.0	2596.1	2598.1	2588.2	2584.3	2572.4	2566.5
20°	2598.1	2596.1	2598.1	2602.0	2602.0	2602.0	2602.0	2592.2	2584.3	2572.4	2562.6
22.5°	2592.2	2592.2	2592.2	2592.2	2596.1	2590.2	2590.2	2584.3	2574.4	2564.6	2554.7
25°	2578.4	2578.4	2580.3	2582.3	2582.3	2578.4	2576.4	2570.5	2562.6	2550.8	2538.9
27.5°	2562.6	2562.6	2564.6	2564.6	2568.5	2564.6	2562.6	2554.7	2546.8	2533.0	2519.2
30°	2544.9	2544.9	2544.9	2548.8	2550.8	2550.8	2548.8	2538.9	2529.1	2513.3	2495.6
32.5°	2525.1	2525.1	2531.1	2535.0	2537.0	2537.0	2537.0	2525.1	2513.3	2493.6	2468.0
35°	2509.4	2509.4	2517.3	2531.1	2538.9	2535.0	2533.0	2525.1	2507.4	2485.7	2444.3
37.5°	2519.2	2519.2	2537.0	2556.7	2574.4	2570.5	2570.5	2556.7	2533.0	2497.5	2446.3
40°	2542.9	2544.9	2572.4	2598.1	2619.8	2623.7	2623.7	2607.9	2572.4	2527.1	2456.1
42.5°	2548.8	2552.7	2580.3	2617.8	2637.5	2647.4	2647.4	2625.7	2588.2	2535.0	2452.2
45°	2548.8	2550.8	2582.3	2621.7	2653.3	2661.2	2661.2	2637.5	2590.2	2538.9	2438.4
47.5°	2548.8	2546.8	2574.4	2629.6	2661.2	2667.1	2667.1	2641.4	2596.1	2531.1	2418.7
50°	2542.9	2552.7	2594.1	2637.5	2692.7	2700.6	2698.6	2671.0	2607.9	2540.9	2402.9
52.5°	2556.7	2554.7	2609.9	2696.6	2745.9	2763.7	2765.6	2730.1	2665.1	2568.5	2393.1
55°	2613.8	2615.8	2669.0	2769.6	2844.5	2878.0	2874.0	2828.7	2736.1	2623.7	2420.7
57.5°	2633.6	2653.3	2730.1	2816.9	2931.2	2960.8	2960.8	2905.6	2793.2	2667.1	2440.4
60°	2594.1	2602.0	2696.6	2844.5	2949.0	2954.9	2956.8	2917.4	2799.1	2643.4	2401.0
62.5°	2584.3	2600.0	2673.0	2838.6	2905.6	2949.0	2947.0	2893.8	2793.2	2625.7	2387.2
65°	2540.9	2552.7	2680.9	2803.1	2950.9	2994.3	2984.4	2923.3	2767.6	2606.0	2343.8
67.5°	2452.2	2464.0	2582.3	2753.8	2887.8	2929.2	2939.1	2868.1	2706.5	2513.3	2251.1
70°	2304.4	2322.1	2442.3	2609.9	2751.8	2775.5	2771.5	2728.2	2566.5	2359.6	2115.1
72.5°	2097.4	2125.0	2276.8	2436.4	2558.7	2594.1	2578.4	2529.1	2397.0	2174.3	1929.8
75°	1878.6	1904.2	2024.4	2203.8	2332.0	2355.6	2343.8	2284.7	2150.6	1931.8	1711.0
77.5°	1640.1	1661.7	1764.2	1947.6	2042.2	2061.9	2067.8	1989.0	1862.8	1665.7	1468.6
80°	1318.8	1328.6	1466.6	1586.8	1669.6	1709.1	1705.1	1646.0	1519.8	1356.2	1159.1
82.5°	973.8	981.7	1088.1	1190.6	1265.5	1301.0	1281.3	1222.2	1121.6	981.7	831.9
85°	597.3	583.5	670.2	747.1	792.4	816.1	796.4	762.9	674.2	563.8	459.3
87.5°	214.9	203.0	242.5	254.3	305.5	297.7	315.4	254.3	205.0	145.9	102.5
90°	94.6	94.6	92.6	88.7	80.8	72.9	71.0	59.1	43.4	27.6	9.9
92.5°	86.7	86.7	84.8	80.8	72.9	65.1	65.1	53.2	39.4	25.6	9.9
95°	72.9	72.9	71.0	67.0	61.1	55.2	55.2	43.4	33.5	21.7	7.9
97.5°	57.2	57.2	55.2	53.2	47.3	43.4	43.4	35.5	25.6	15.8	5.9
100°	43.4	43.4	41.4	39.4	37.5	33.5	31.5	25.6	19.7	11.8	3.9
102.5°	31.5	31.5	31.5	29.6	25.6	23.7	23.7	19.7	13.8	9.9	3.9
105°	21.7	21.7	21.7	19.7	17.7	15.8	15.8	13.8	9.9	5.9	2.0
107.5°	13.8	13.8	13.8	13.8	11.8	9.9	9.9	7.9	5.9	3.9	2.0
110°	7.9	5.9	7.9	7.9	7.9	5.9	5.9	3.9	3.9	2.0	2.0



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	44°	45°	55°	65°	75°	85°
112.5°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	2.0	2.0	2.0	2.0
115°	2.0	2.0	2.0	3.9	3.9	2.0	2.0	2.0	2.0	2.0	2.0
117.5°	0.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
120°	0.0	0.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
122.5°	0.0	0.0	0.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
125°	0.0	0.0	0.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
127.5°	0.0	0.0	0.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
130°	0.0	0.0	0.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
132.5°	0.0	0.0	0.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
135°	0.0	0.0	0.0	0.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
137.5°	0.0	0.0	0.0	0.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
140°	0.0	2.0	2.0	0.0	0.0	2.0	2.0	2.0	2.0	2.0	2.0
142.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
145°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
147.5°	2.0	2.0	0.0	0.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
150°	2.0	2.0	2.0	0.0	0.0	2.0	2.0	2.0	2.0	2.0	2.0
152.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
155°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
157.5°	2.0	2.0	2.0	0.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
160°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
162.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
165°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
167.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
170°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
172.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
175°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
177.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
180°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0





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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2582.3	2582.3	2582.3	2582.3	2582.3	2582.3	2582.3	2582.3	2582.3	2582.3	2582.3
2.5°	2582.3	2580.3	2578.4	2580.3	2578.4	2578.4	2576.4	2576.4	2574.4	2574.4	2572.4
5°	2582.3	2580.3	2578.4	2580.3	2576.4	2578.4	2578.4	2576.4	2574.4	2572.4	2570.5
7.5°	2580.3	2580.3	2576.4	2578.4	2574.4	2574.4	2572.4	2572.4	2570.5	2570.5	2568.5
10°	2576.4	2574.4	2574.4	2574.4	2570.5	2570.5	2568.5	2566.5	2566.5	2564.6	2562.6
12.5°	2572.4	2570.5	2568.5	2568.5	2566.5	2564.6	2562.6	2562.6	2560.6	2558.7	2556.7
15°	2566.5	2564.6	2564.6	2564.6	2562.6	2562.6	2560.6	2558.7	2554.7	2552.7	2550.8
17.5°	2564.6	2562.6	2564.6	2564.6	2562.6	2564.6	2560.6	2556.7	2552.7	2550.8	2548.8
20°	2562.6	2562.6	2562.6	2560.6	2558.7	2556.7	2554.7	2552.7	2550.8	2548.8	2546.8
22.5°	2552.7	2550.8	2546.8	2535.0	2521.2	2511.3	2509.4	2513.3	2513.3	2513.3	2507.4
25°	2535.0	2529.1	2513.3	2491.6	2468.0	2452.2	2442.3	2442.3	2440.4	2436.4	2434.5
27.5°	2513.3	2501.5	2473.9	2446.3	2412.8	2393.1	2369.4	2355.6	2349.7	2347.7	2343.8
30°	2483.7	2466.0	2430.5	2395.0	2353.6	2326.0	2288.6	2264.9	2251.1	2245.2	2241.3
32.5°	2448.3	2430.5	2389.1	2345.8	2296.5	2257.1	2209.7	2172.3	2146.7	2134.8	2128.9
35°	2424.6	2399.0	2351.7	2300.4	2251.1	2194.0	2136.8	2085.6	2046.1	2032.3	2024.4
37.5°	2414.8	2391.1	2339.8	2288.6	2233.4	2164.4	2097.4	2024.4	1971.2	1947.6	1939.7
40°	2420.7	2391.1	2333.9	2278.7	2213.7	2136.8	2048.1	1957.4	1888.4	1854.9	1847.0
42.5°	2406.9	2373.4	2306.3	2247.2	2166.4	2079.6	1971.2	1866.8	1774.1	1746.5	1734.7
45°	2383.2	2341.8	2268.9	2194.0	2109.2	2002.8	1890.4	1756.4	1646.0	1612.5	1602.6
47.5°	2359.6	2302.4	2215.7	2146.7	2044.2	1920.0	1787.9	1638.1	1500.1	1466.6	1460.7
50°	2324.1	2270.9	2178.2	2097.4	1992.9	1849.0	1699.2	1511.9	1356.2	1299.0	1283.3
52.5°	2308.3	2239.3	2150.6	2087.5	1961.4	1797.8	1608.5	1407.5	1182.7	1111.8	1096.0
55°	2324.1	2237.3	2142.7	2081.6	1935.7	1732.7	1500.1	1243.8	983.6	908.7	887.1
57.5°	2296.5	2221.6	2127.0	2058.0	1868.7	1598.7	1342.4	1013.2	743.2	646.6	638.7
60°	2261.0	2154.5	2065.8	2002.8	1728.8	1346.3	1044.7	721.5	447.5	364.7	348.9
62.5°	2247.2	2136.8	2034.3	1957.4	1541.5	989.6	636.7	364.7	185.3	130.1	118.3
65°	2203.8	2105.3	2032.3	1923.9	1346.3	611.1	274.0	108.4	7.9	5.9	5.9
67.5°	2121.0	2020.5	1971.2	1908.1	1326.6	583.5	248.4	98.6	3.9	0.0	0.0
70°	1979.1	1900.3	1866.8	1833.2	1269.5	540.1	226.7	88.7	2.0	0.0	0.0
72.5°	1791.8	1738.6	1732.7	1728.8	1186.7	498.7	203.0	78.8	2.0	0.0	0.0
75°	1604.6	1539.5	1549.4	1573.0	1084.2	441.6	175.4	69.0	2.0	0.0	0.0
77.5°	1368.0	1320.7	1344.4	1383.8	950.1	374.5	143.9	55.2	2.0	0.0	0.0
80°	1076.3	1044.7	1098.0	1133.5	776.7	297.7	108.4	39.4	0.0	0.0	0.0
82.5°	764.8	747.1	796.4	841.7	577.6	210.9	74.9	25.6	0.0	0.0	0.0
85°	412.0	402.1	449.4	498.7	346.9	120.2	37.5	11.8	0.0	0.0	0.0
87.5°	102.5	94.6	96.6	116.3	84.8	25.6	5.9	2.0	0.0	0.0	0.0
90°	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0
102.5°	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0
110°	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P436901  
 CATALOG NUMBER: TT-D6-740-U-5MQ-PM-HSS

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0
115°	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0
117.5°	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0
122.5°	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0
125°	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0
127.5°	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0
130°	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0
135°	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0
147.5°	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0
162.5°	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0
165°	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0
167.5°	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0
170°	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0
172.5°	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0
175°	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0
177.5°	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0
180°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0

(END OF REPORT)