

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: STREETWORKS

Report Number: P163726

Luminaire Tested: **OVH-E03-LED-E-U-SL3-HSS-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P163726
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33727)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: OVH-E03-LED-E-U-SL3-HSS-7030
Description: OVH LED ROADWAY SMALL CUTOFF COBRAHEAD LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 W/ SPILL LIGHT CONTROL
Light Source: (63) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4608.2 lumens
Efficiency: N/A
Efficacy: 61.3 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.5' x L: 1' x H: 0.1')
IES Classification: Type III - Short - Non-Cutoff
BUG Rating: B0 - U0 - G2

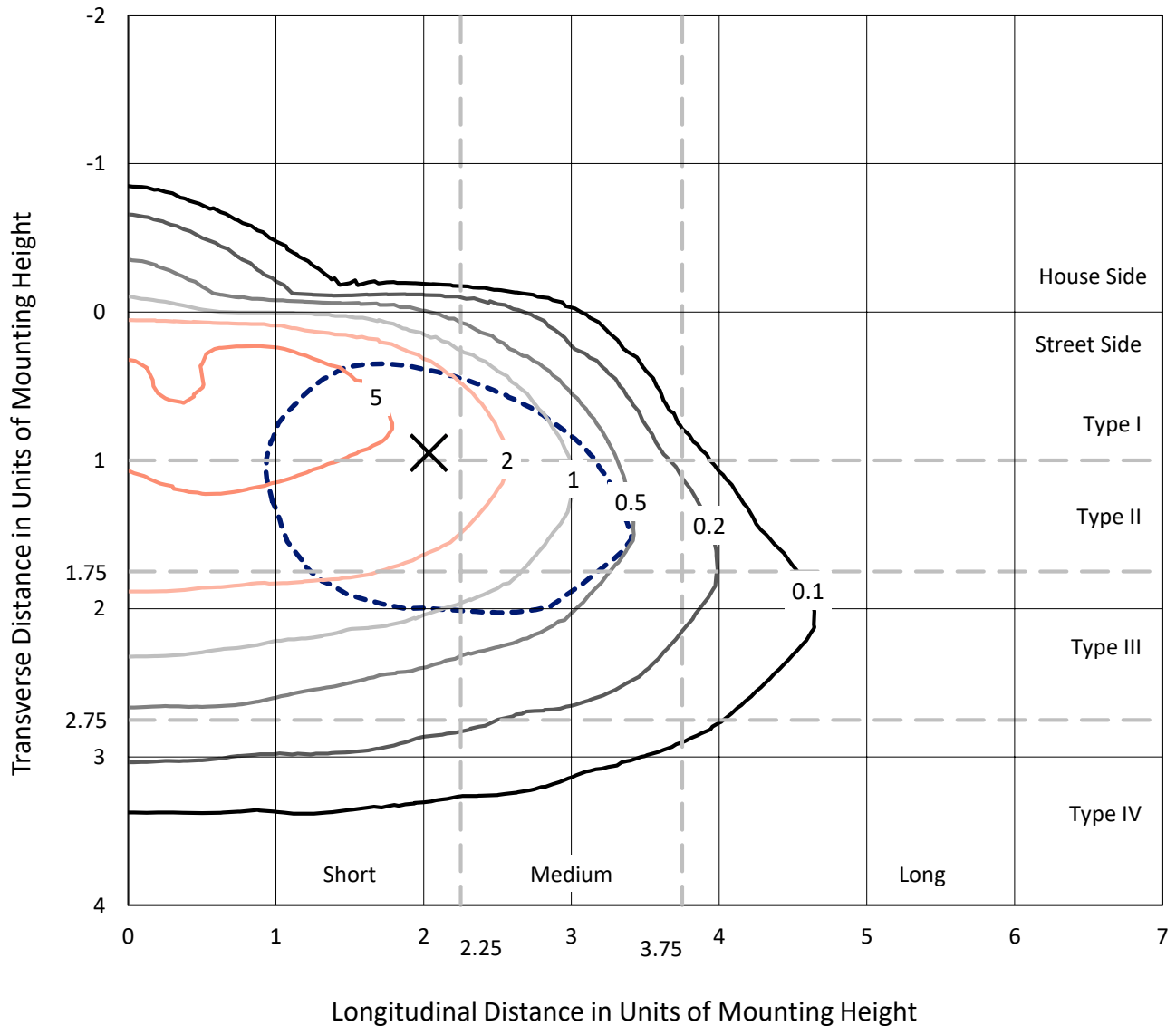
Input Watts (W): 75.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

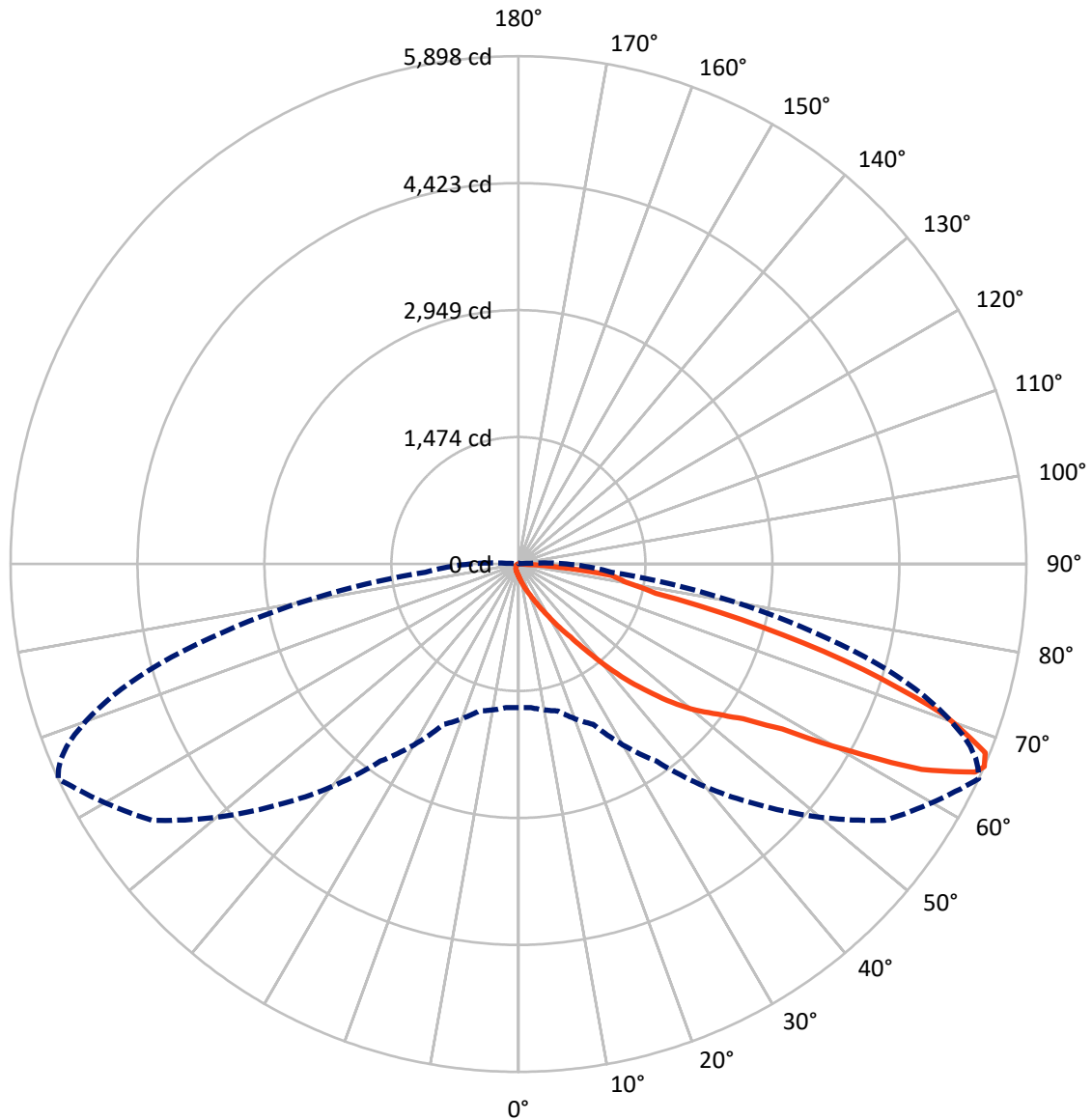


Based on 10 foot mounting height. Maximum calculated value = 7.6 fc
 Type III - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 66-Deg Vertical



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	99.8	0.0	99.8
	% Fixture	2.2	0.0	2.2
Street Side	Lumens	4508.3	0.0	4508.3
	% Fixture	97.8	0.0	97.8
Total	Lumens	4608.2	0.0	4608.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	15.6	0.3
10°-20°	66.0	1.4
20°-30°	142.4	3.1
30°-40°	304.1	6.6
40°-50°	672.5	14.6
50°-60°	1139.7	24.7
60°-70°	1520.8	33.0
70°-80°	669.9	14.5
80°-90°	77.2	1.7
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°	4608.2	100.0
0°-180°	4608.2	100.0



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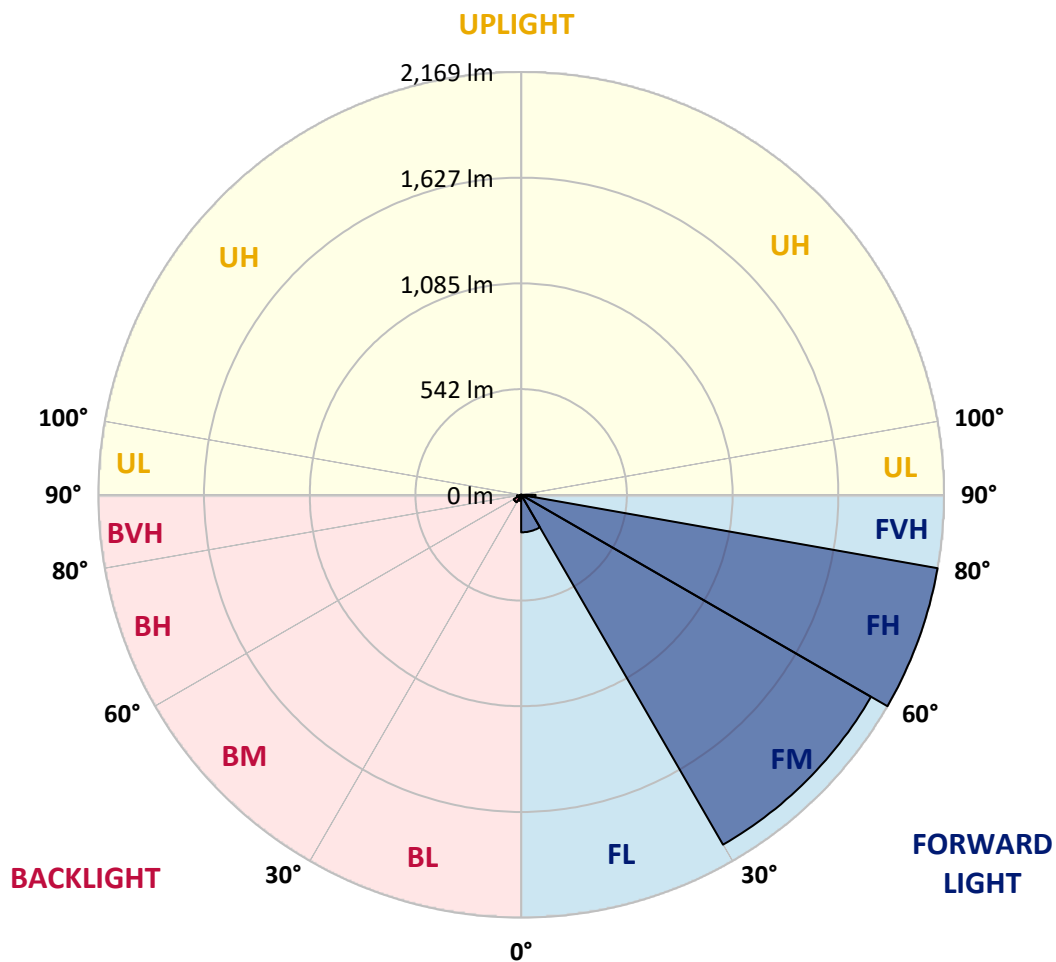
CATALOG NUMBER: OVH-E03-LED-E-U-SL3-HSS-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	192.5	4.2			
FM	(30°-60°)	2072.4	45.0			
FH	(60°-80°)	2169.3	47.1			G2/5000
FVH	(80°-90°)	74.1	1.6			G1/100
BL	(0°-30°)	31.5	0.7	B0/110		
BM	(30°-60°)	43.8	1.0	B0/220		
BH	(60°-80°)	21.4	0.5	B0/110		G0/110
BVH	(80°-90°)	3.1	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 III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	67°	68°
0°	139.1	139.1	139.1	139.1	139.1	139.1	139.1	139.1	139.1	139.1	139.1
2.5°	175.4	174.5	171.0	171.0	165.7	162.1	157.7	153.3	153.3	152.4	151.5
5°	232.1	226.8	225.9	216.2	208.2	196.7	186.0	171.9	170.1	168.3	167.4
7.5°	295.0	294.1	286.2	274.7	258.7	237.5	216.2	193.1	189.6	187.8	184.3
10°	376.5	372.1	361.5	342.0	318.1	289.7	255.2	218.8	214.4	210.9	209.1
12.5°	454.5	446.5	440.3	415.5	385.4	343.8	302.1	249.8	246.3	241.8	234.8
15°	527.1	520.1	509.4	488.2	454.5	402.2	353.5	289.7	280.9	274.7	269.3
17.5°	583.9	579.4	567.0	543.1	506.7	460.7	402.2	330.5	323.4	315.4	305.6
20°	637.9	631.7	612.2	579.4	540.4	505.0	459.8	383.6	373.9	364.1	353.5
22.5°	689.3	683.0	651.1	597.1	555.5	540.4	524.5	443.8	428.8	420.8	410.2
25°	761.0	747.8	698.1	612.2	556.4	567.9	595.4	521.8	507.6	496.1	479.3
27.5°	857.6	839.9	761.9	634.3	559.9	598.0	676.8	616.6	601.6	588.3	569.7
30°	966.6	955.0	862.0	687.5	585.6	642.3	768.1	737.1	719.4	703.4	681.3
32.5°	1076.4	1060.5	968.3	788.5	654.7	728.3	882.4	877.1	854.1	839.0	815.1
35°	1173.0	1165.0	1096.8	954.1	812.4	878.8	1034.8	1041.0	1020.6	1004.7	978.1
37.5°	1238.6	1238.6	1225.2	1132.2	1063.1	1112.7	1258.9	1259.8	1239.4	1203.1	1189.8
40°	1272.2	1282.0	1329.8	1347.5	1344.0	1407.8	1553.1	1537.1	1520.3	1501.7	1457.4
42.5°	1341.3	1350.2	1452.1	1574.3	1654.1	1738.2	1838.3	1833.0	1812.7	1779.0	1738.2
45°	1458.3	1469.8	1591.1	1785.1	1949.1	2068.7	2132.5	2107.6	2087.3	2055.4	2034.1
47.5°	1607.1	1629.2	1766.6	2006.6	2204.2	2401.8	2468.2	2402.7	2384.9	2360.2	2325.6
50°	1765.7	1787.0	1933.1	2207.8	2431.0	2666.7	2777.4	2666.7	2641.0	2633.0	2594.1
52.5°	1903.0	1920.7	2061.6	2362.8	2604.7	2881.1	3042.3	2896.1	2877.5	2851.0	2822.6
55°	1984.5	1998.7	2130.7	2437.2	2722.5	3074.2	3298.4	3169.9	3142.5	3131.8	3091.1
57.5°	2012.0	2026.2	2144.9	2447.0	2786.3	3250.5	3609.3	3613.7	3581.0	3542.9	3530.5
60°	2012.0	2027.9	2128.0	2423.0	2848.3	3438.3	4023.9	4393.4	4322.5	4315.4	4270.3
62.5°	1928.7	1943.7	2044.7	2349.5	2931.6	3691.7	4601.6	5253.6	5233.3	5187.2	5112.8
65°	1748.0	1756.8	1856.1	2161.7	2899.7	3924.7	5102.1	5826.0	5793.2	5702.8	5607.1
66°	1666.4	1673.6	1766.6	2054.5	2795.1	3956.6	5190.8	5897.7	5843.7	5767.5	5659.4
67.5°	1548.6	1561.0	1626.6	1855.2	2544.4	3845.9	5134.9	5847.2	5800.2	5708.1	5600.0
70°	1033.9	1025.1	1256.3	1423.7	1938.4	3133.6	4606.9	5250.1	5251.0	5207.6	5164.2
72.5°	490.8	496.1	563.5	876.2	1268.6	2093.5	3666.9	4190.5	4250.8	4172.8	4118.7
75°	352.6	360.6	401.3	536.0	756.6	1256.3	2377.0	2930.7	2932.5	2794.2	2671.1
77.5°	102.8	107.2	150.6	330.5	567.0	847.8	1365.3	1629.2	1591.1	1491.9	1398.9
80°	42.5	42.5	44.3	105.4	227.7	575.8	955.0	1254.5	1250.1	1212.0	1157.0
82.5°	15.9	16.8	21.3	43.4	54.0	141.8	637.0	1088.8	1086.2	1032.1	993.2
85°	1.8	1.8	5.3	18.6	20.4	26.6	127.6	480.2	477.5	480.2	420.8
87.5°	0.0	0.0	0.9	1.8	2.6	3.6	5.3	18.6	20.4	19.5	17.7
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):

	69°	70°	71°	72°	73°	74°	75°	76°	77°	78°	79°
0°	139.1	139.1	139.1	139.1	139.1	139.1	139.1	139.1	139.1	139.1	139.1
2.5°	151.5	149.7	149.7	148.8	148.8	148.8	148.0	147.1	147.1	146.2	145.3
5°	165.7	163.9	163.0	161.2	160.3	159.5	157.7	156.8	155.0	154.2	153.3
7.5°	182.5	179.0	178.0	175.4	172.7	171.0	169.2	166.5	164.8	161.2	160.3
10°	203.8	199.3	195.8	192.2	189.6	185.2	182.5	179.0	175.4	172.7	170.1
12.5°	231.2	225.0	219.7	216.2	209.9	204.6	199.3	196.7	189.6	186.0	181.6
15°	261.3	254.3	248.1	241.0	236.5	227.7	220.6	212.6	209.1	202.9	195.8
17.5°	300.3	288.8	279.0	272.0	263.1	254.3	246.3	238.3	227.7	220.6	211.8
20°	342.0	332.2	318.9	306.6	295.9	285.3	273.7	263.1	253.4	241.8	231.2
22.5°	395.1	381.0	365.0	352.6	338.5	326.9	310.9	296.8	280.9	265.8	253.4
25°	462.5	443.8	428.8	411.1	394.2	376.5	357.0	339.3	318.9	304.7	283.5
27.5°	545.8	528.0	507.6	484.6	467.8	441.2	415.5	393.4	369.4	347.3	323.4
30°	652.1	626.4	605.1	583.0	549.3	523.6	493.5	463.3	430.6	408.4	372.1
32.5°	779.7	752.1	720.2	688.4	657.4	621.1	583.9	546.6	510.3	469.5	432.3
35°	935.6	902.8	866.5	831.9	784.0	745.1	698.1	646.8	606.0	559.0	512.1
37.5°	1142.0	1087.9	1056.0	1019.7	955.0	901.9	849.6	798.2	726.5	676.8	610.4
40°	1400.7	1368.8	1316.5	1258.0	1199.5	1129.6	1058.7	990.5	907.2	838.1	761.0
42.5°	1704.5	1657.6	1604.5	1520.3	1460.9	1378.5	1297.9	1207.5	1105.7	1017.1	926.7
45°	1989.8	1934.0	1893.3	1809.1	1747.1	1649.6	1552.2	1456.5	1338.7	1224.4	1119.8
47.5°	2298.1	2252.0	2184.8	2116.5	2053.6	1943.7	1838.3	1722.3	1598.2	1462.7	1327.1
50°	2569.2	2532.9	2486.8	2404.4	2334.5	2242.3	2118.3	1991.6	1834.8	1700.1	1546.0
52.5°	2799.6	2771.2	2706.6	2648.1	2585.2	2498.4	2387.6	2266.2	2097.0	1949.1	1773.6
55°	3071.5	3051.2	2994.5	2958.2	2902.3	2819.1	2715.4	2602.9	2424.0	2262.7	2064.2
57.5°	3517.2	3501.2	3451.6	3436.6	3381.7	3309.0	3181.4	3060.9	2851.8	2651.6	2424.8
60°	4255.2	4223.3	4150.6	4113.4	3997.4	3899.9	3734.3	3568.6	3316.1	3060.9	2788.1
62.5°	5045.4	4955.9	4817.7	4699.0	4534.2	4365.0	4143.6	3890.2	3594.2	3291.3	2977.7
65°	5471.6	5319.2	5144.7	4955.9	4742.4	4493.5	4214.4	3910.5	3592.5	3272.7	2941.3
66°	5520.3	5348.4	5163.2	4953.3	4715.8	4450.9	4167.5	3848.5	3518.1	3206.2	2874.9
67.5°	5459.2	5279.3	5083.5	4850.5	4593.6	4319.0	4021.3	3689.9	3371.9	3055.6	2733.1
70°	5031.3	4852.3	4677.8	4432.4	4158.6	3882.2	3600.5	3230.1	2928.9	2638.3	2351.3
72.5°	4017.7	3896.4	3723.6	3513.6	3247.0	2922.7	2687.9	2356.6	2095.3	1813.5	1591.1
75°	2510.8	2339.8	2126.3	1858.7	1654.9	1391.8	1254.5	1002.9	854.1	723.8	598.0
77.5°	1283.7	1155.3	1005.5	855.0	710.6	567.0	438.5	310.1	209.1	145.3	108.1
80°	1060.5	947.1	823.1	685.7	558.1	433.2	311.9	212.6	135.5	88.6	69.1
82.5°	876.2	780.5	669.8	542.2	431.4	340.2	236.5	154.2	95.7	62.0	48.7
85°	373.0	338.5	261.3	207.3	155.9	115.2	80.6	54.0	38.1	31.0	28.3
87.5°	15.9	17.7	16.8	13.3	9.8	9.8	8.9	7.1	7.1	7.1	7.1
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):

	80°	81°	82°	83°	84°	85°	95°	105°	115°	125°	135°
0°	139.1	139.1	139.1	139.1	139.1	139.1	139.1	139.1	139.1	139.1	139.1
2.5°	145.3	144.4	143.5	143.5	142.6	141.8	136.5	132.0	126.7	123.1	119.6
5°	151.5	150.6	148.8	148.0	146.2	145.3	133.8	124.0	116.1	109.9	105.4
7.5°	157.7	156.8	154.2	151.5	150.6	148.8	130.2	117.8	107.2	100.1	95.7
10°	165.7	163.0	160.3	156.8	154.2	151.5	126.7	110.8	99.2	93.0	88.6
12.5°	177.2	172.7	168.3	163.9	160.3	155.9	124.9	104.6	93.0	85.9	81.5
15°	190.5	184.3	179.0	173.7	167.4	163.0	121.4	99.2	87.7	80.6	75.3
17.5°	202.9	195.8	187.8	179.9	173.7	167.4	117.8	93.9	82.4	75.3	70.0
20°	220.6	209.9	200.2	190.5	181.6	173.7	112.5	88.6	78.0	70.0	64.7
22.5°	240.1	227.7	215.3	202.0	190.5	179.9	108.1	84.2	73.5	65.5	59.3
25°	264.9	249.8	233.0	216.2	202.9	188.7	103.6	79.7	69.1	61.1	54.9
27.5°	299.4	278.2	259.6	238.3	217.9	202.0	100.1	76.2	64.7	56.7	50.5
30°	346.4	315.4	286.2	263.1	239.2	216.2	96.6	71.7	61.1	52.3	45.2
32.5°	398.7	362.3	328.7	294.1	264.0	237.5	93.0	68.2	56.7	47.8	41.6
35°	463.3	417.3	372.1	332.2	295.9	260.5	89.5	64.7	53.2	43.4	37.2
37.5°	556.4	498.8	439.4	388.0	341.1	294.1	86.8	61.1	48.7	39.0	32.8
40°	684.0	609.6	536.9	466.9	405.7	347.3	83.3	57.6	45.2	35.5	29.2
42.5°	822.2	731.8	636.1	557.3	473.1	399.6	79.7	54.0	41.6	31.9	25.7
45°	994.0	881.5	765.5	658.3	555.5	460.7	76.2	50.5	37.2	28.3	22.1
47.5°	1181.8	1038.3	907.2	772.5	650.3	536.9	71.7	47.8	33.6	24.8	19.5
50°	1375.0	1223.5	1057.8	904.5	759.3	613.1	67.4	43.4	30.1	22.1	15.9
52.5°	1583.2	1404.2	1235.0	1044.5	875.3	713.2	62.9	39.8	27.5	19.5	13.3
55°	1848.1	1647.9	1449.4	1235.9	1032.1	829.2	58.5	35.5	23.9	16.8	10.6
57.5°	2181.2	1943.7	1700.1	1459.1	1212.0	981.6	54.9	31.0	20.4	14.2	8.9
60°	2495.7	2218.4	1923.4	1646.1	1367.0	1098.5	49.6	27.5	17.7	11.5	8.9
62.5°	2658.7	2342.4	2024.3	1718.7	1421.0	1140.2	44.3	23.0	15.1	9.8	7.9
65°	2618.8	2296.4	1988.1	1679.8	1388.3	1113.6	39.0	20.4	13.3	8.9	7.9
66°	2561.2	2242.3	1932.2	1639.0	1360.8	1085.3	36.3	19.5	12.4	8.9	7.1
67.5°	2435.5	2127.2	1831.2	1558.4	1285.5	1031.2	32.8	17.7	11.5	7.9	7.1
70°	2080.2	1800.2	1563.7	1320.9	1098.5	869.1	26.6	15.1	9.8	7.1	7.1
72.5°	1376.8	1186.3	1028.6	885.0	739.8	574.1	22.1	12.4	7.9	7.1	6.2
75°	519.2	469.5	403.1	362.3	316.3	277.3	17.7	7.9	6.2	6.2	6.2
77.5°	92.1	85.1	75.3	69.1	63.8	58.5	14.2	5.3	5.3	6.2	6.2
80°	62.0	57.6	52.3	47.8	44.3	39.8	9.8	4.4	5.3	5.3	6.2
82.5°	44.3	41.6	39.0	35.5	32.8	29.2	6.2	4.4	5.3	5.3	5.3
85°	26.6	24.8	23.0	21.3	18.6	17.7	4.4	4.4	4.4	5.3	5.3
87.5°	7.1	6.2	7.1	7.1	5.3	6.2	3.6	3.6	3.6	4.4	4.4
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: OVH-E03-LED-E-U-SL3-HSS-7030

CANDELA DISTRIBUTION (continued):

	145°	155°	165°	175°	180°
0°	139.1	139.1	139.1	139.1	139.1
2.5°	117.8	117.8	116.1	118.7	118.7
5°	101.9	101.9	101.0	101.9	101.9
7.5°	93.0	92.1	92.1	92.1	93.0
10°	85.1	84.2	84.2	84.2	84.2
12.5°	78.0	77.1	76.2	77.1	77.1
15°	71.7	70.0	70.0	70.0	70.0
17.5°	66.4	64.7	63.8	63.8	63.8
20°	61.1	58.5	58.5	58.5	58.5
22.5°	55.8	53.2	53.2	53.2	53.2
25°	50.5	47.8	47.8	47.8	47.8
27.5°	46.1	43.4	43.4	43.4	43.4
30°	40.8	39.0	39.0	39.8	39.0
32.5°	37.2	34.5	34.5	35.5	35.5
35°	32.8	31.0	31.0	31.0	31.0
37.5°	28.3	26.6	26.6	26.6	26.6
40°	24.8	23.0	22.1	23.0	23.0
42.5°	21.3	19.5	18.6	18.6	18.6
45°	18.6	15.9	15.1	15.9	15.9
47.5°	15.1	13.3	13.3	14.2	14.2
50°	11.5	11.5	12.4	14.2	14.2
52.5°	10.6	10.6	12.4	14.2	14.2
55°	9.8	10.6	12.4	13.3	14.2
57.5°	8.9	10.6	12.4	13.3	13.3
60°	8.9	9.8	11.5	13.3	13.3
62.5°	7.9	8.9	10.6	12.4	12.4
65°	7.9	8.9	10.6	12.4	12.4
66°	7.9	8.9	10.6	12.4	12.4
67.5°	7.9	8.9	10.6	12.4	12.4
70°	7.9	8.9	10.6	11.5	11.5
72.5°	7.1	7.9	9.8	11.5	11.5
75°	7.1	7.9	9.8	11.5	11.5
77.5°	7.1	7.9	9.8	11.5	11.5
80°	7.1	7.9	9.8	10.6	11.5
82.5°	6.2	7.9	8.9	10.6	10.6
85°	6.2	7.1	8.9	9.8	10.6
87.5°	5.3	6.2	7.1	8.9	8.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)