

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: CORELITE

Report Number: P183760

Luminaire Tested: **I2-WS-5L35-1D-UNV-4-STD-DM5**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P183760
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P26979)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: I2-WS-5L35-1D-UNV-4-STD-DM5
Description: CORELITE IRIDIUM SUSPENDED DIRECT-INDIRECT LED LUMINAIRE, 4 FOOT.
WaveStream WITH FROSTED LENS. 40% UP / 60% DOWN.
Light Source: (336)3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

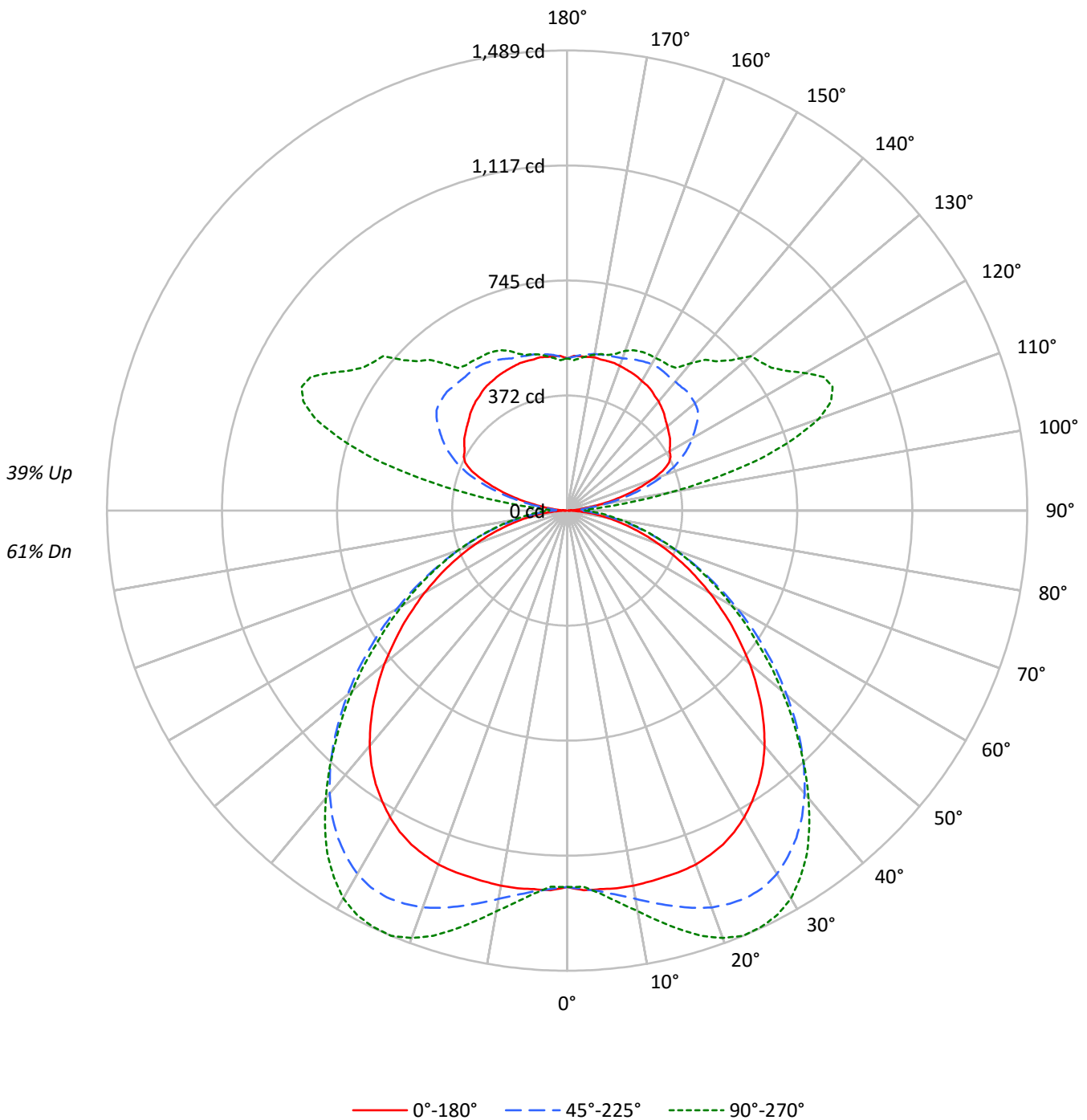
Lumens per Lamp: N/A
Luminaire Lumens: 6871.6 lumens
Efficiency: N/A
Efficacy: 86.8 lumens/watt
Spacing Criteria (0/90/45): 1.37 / 1.58 / 1.55
Luminous Opening: Rectangular w/ Sides (W: 0.38' x L: 3.58' x H: 0.21')
CIE Type: Semi-Direct

Input Watts (W): 79.2
Input Voltage (V): NR
Input Current (A_{in}): 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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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	110	110	110	110	103	103	103	103	89	89	89	77	77	77	66	66	66	61
1	100	96	92	88	93	90	86	83	78	76	73	68	66	64	58	57	56	51
2	91	83	77	72	85	78	73	68	68	64	60	59	56	53	51	49	47	43
3	83	73	66	60	77	69	62	56	60	55	51	52	48	45	45	42	40	36
4	76	65	56	50	71	61	53	48	53	48	43	47	42	38	40	37	34	31
5	70	58	49	43	65	54	47	41	48	42	37	42	37	33	36	32	29	26
6	64	52	43	37	60	49	41	36	43	37	32	38	33	29	33	29	26	23
7	59	47	38	33	55	44	36	31	39	33	28	34	29	26	30	26	23	20
8	55	42	34	29	51	40	33	27	35	29	25	31	26	23	27	23	20	18
9	51	38	31	26	48	36	29	24	32	27	22	29	24	20	25	21	18	16
10	48	35	28	23	45	33	27	22	30	24	20	26	22	18	23	19	16	15

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	9758	9758	9758
5°	9838	9582	9540
10°	9924	9640	9750
15°	10018	9842	10124
20°	10169	10060	10435
25°	10260	10152	10432
30°	10258	10044	10145
35°	10148	9698	9530
40°	9907	9162	8668
45°	9496	8453	7719
50°	8995	7618	6802
55°	8393	6730	5876
60°	7755	5822	5032
65°	7087	4892	4235
70°	6339	4000	3471
75°	5493	3114	2697
80°	4496	2207	1985
85°	3021	1399	1368



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	119.0	1.7
10°-20°	374.1	5.4
20°-30°	624.7	9.1
30°-40°	780.8	11.4
40°-50°	786.1	11.4
50°-60°	665.3	9.7
60°-70°	475.1	6.9
70°-80°	270.1	3.9
80°-90°	100.1	1.5
90°-100°	86.9	1.3
100°-110°	350.0	5.1
110°-120°	523.2	7.6
120°-130°	508.3	7.4
130°-140°	429.6	6.3
140°-150°	336.8	4.9
150°-160°	246.6	3.6
160°-170°	146.6	2.1
170°-180°	48.1	0.7
0°-30°	1117.8	16.3
0°-40°	1898.6	27.6
0°-60°	3350.1	48.8
0°-90°	4195.4	61.1
90°-120°	960.1	14.0
90°-150°	2234.9	32.5
90°-180°	2676.0	38.9
0°-180°	6871.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1218	1218	1218	1218	1218	
5°	1230	1222	1237	1241	1244	118
15°	1227	1246	1325	1385	1402	347
25°	1192	1246	1381	1463	1486	549
35°	1080	1156	1293	1348	1354	674
45°	887	962	1070	1074	1060	683
55°	651	708	780	775	754	582
65°	420	456	498	500	490	417
75°	216	237	264	271	268	230
85°	55	69	91	106	109	61
90°	3	22	42	54	58	6
95°	29	32	49	92	107	39
105°	196	198	232	510	648	206
115°	363	365	410	719	948	350
125°	406	449	516	703	806	363
135°	444	479	547	626	682	342
145°	475	503	547	566	573	297
155°	492	506	537	560	567	228
165°	501	510	518	521	521	142
175°	501	501	505	502	495	48
180°	492	492	492	492	492	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°
0°	1218.2	1218.2	1218.2	1218.2	1218.2	1218.2	1218.2	1218.2	1218.2	1218.2
2.5°	1229.7	1224.0	1218.2	1218.2	1218.2	1232.6	1226.8	1224.0	1218.2	1218.2
5°	1229.7	1224.0	1221.1	1224.0	1229.7	1244.1	1241.2	1241.2	1244.1	1244.1
7.5°	1232.6	1226.8	1224.0	1232.6	1244.1	1264.3	1267.2	1272.9	1275.8	1278.7
10°	1232.6	1226.8	1229.7	1244.1	1261.4	1290.2	1298.8	1307.5	1313.2	1316.1
12.5°	1229.7	1226.8	1235.5	1255.6	1281.6	1319.0	1333.4	1347.8	1356.4	1359.3
15°	1226.8	1226.8	1238.4	1267.2	1301.7	1347.8	1368.0	1391.0	1402.5	1402.5
17.5°	1224.0	1224.0	1244.1	1278.7	1321.9	1373.7	1402.5	1425.6	1440.0	1442.8
20°	1218.2	1218.2	1244.1	1287.3	1339.2	1393.9	1425.6	1451.5	1468.8	1471.6
22.5°	1206.7	1212.4	1241.2	1290.2	1347.8	1405.4	1440.0	1465.9	1483.2	1488.9
25°	1192.3	1198.0	1232.6	1287.3	1350.7	1411.2	1445.7	1468.8	1483.2	1486.0
27.5°	1172.1	1180.8	1218.2	1278.7	1344.9	1405.4	1437.1	1457.2	1468.8	1474.5
30°	1146.2	1157.7	1198.0	1261.4	1330.5	1385.2	1416.9	1434.2	1442.8	1448.6
32.5°	1114.5	1126.1	1172.1	1235.5	1304.6	1353.6	1382.4	1396.8	1399.6	1405.4
35°	1080.0	1091.5	1140.4	1203.8	1270.0	1316.1	1339.2	1350.7	1347.8	1353.6
37.5°	1039.7	1051.2	1100.1	1163.5	1226.8	1270.0	1287.3	1290.2	1284.4	1287.3
40°	993.6	1005.1	1054.1	1117.4	1175.0	1215.3	1224.0	1218.2	1212.4	1215.3
42.5°	941.7	956.1	1002.2	1062.7	1120.3	1149.1	1157.7	1149.1	1137.6	1140.4
45°	887.0	901.4	947.5	1005.1	1056.9	1082.9	1082.9	1071.3	1062.7	1059.8
47.5°	829.4	843.8	887.0	944.6	987.8	1010.9	1010.9	999.3	984.9	984.9
50°	771.8	783.3	823.7	881.3	915.8	938.9	933.1	921.6	910.1	907.2
52.5°	708.5	725.7	760.3	815.0	846.7	864.0	861.1	849.6	835.2	832.3
55°	650.9	665.3	696.9	743.0	771.8	789.1	783.3	771.8	760.3	754.5
57.5°	590.4	604.8	636.5	673.9	702.7	717.1	711.3	699.8	691.2	685.4
60°	532.8	544.3	573.1	604.8	630.7	642.2	639.3	630.7	622.1	616.3
62.5°	475.2	486.7	509.7	538.5	561.6	573.1	570.2	564.5	555.8	552.9
65°	420.5	429.1	449.3	475.2	492.5	504.0	504.0	498.2	492.5	489.6
67.5°	365.8	374.4	391.7	414.7	429.1	440.6	443.5	437.7	432.0	429.1
70°	313.9	322.6	334.1	354.2	368.6	380.1	383.0	380.1	374.4	374.4
72.5°	265.0	270.7	282.2	296.6	313.9	319.7	322.6	322.6	322.6	319.7
75°	216.0	221.8	233.3	247.7	259.2	267.8	270.7	270.7	267.8	267.8
77.5°	169.9	178.6	184.3	198.7	210.2	216.0	221.8	221.8	221.8	221.8
80°	129.6	135.4	141.1	152.6	161.3	169.9	175.7	178.6	178.6	178.6
82.5°	92.2	97.9	100.8	112.3	121.0	129.6	135.4	141.1	141.1	141.1
85°	54.7	60.5	66.2	77.8	86.4	95.0	103.7	106.6	109.4	109.4
87.5°	23.0	31.7	37.4	49.0	60.5	69.1	74.9	77.8	80.6	80.6
90°	2.9	11.5	20.2	28.8	37.4	46.1	51.8	54.7	57.6	57.6
92.5°	11.5	14.4	17.3	23.0	31.7	40.3	49.0	51.8	57.6	57.6
95°	28.8	34.6	31.7	31.7	37.4	60.5	83.5	95.0	103.7	106.6
97.5°	60.5	63.4	63.4	60.5	66.2	95.0	149.8	181.4	201.6	204.5
100°	97.9	103.7	103.7	97.9	106.6	146.9	241.9	296.6	331.2	342.7
102.5°	146.9	149.8	152.6	141.1	149.8	207.4	334.1	426.2	478.1	492.5
105°	195.8	201.6	201.6	187.2	195.8	267.8	408.9	544.3	619.2	648.0
107.5°	244.8	250.6	247.7	230.4	239.0	328.3	466.5	636.5	737.3	766.1
110°	290.9	296.6	290.9	276.5	285.1	383.0	506.9	708.5	823.7	866.9



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°
112.5°	334.1	337.0	331.2	322.6	328.3	426.2	552.9	748.8	884.1	924.5
115°	362.9	371.5	365.8	362.9	368.6	452.1	596.1	760.3	904.3	947.5
117.5°	377.3	394.5	400.3	397.4	408.9	475.2	624.9	748.8	889.9	936.0
120°	383.0	406.1	426.2	429.1	440.6	495.3	633.6	745.9	846.7	889.9
122.5°	394.5	408.9	443.5	452.1	469.4	512.6	630.7	737.3	817.9	840.9
125°	406.1	411.8	443.5	466.5	492.5	538.5	627.8	728.6	792.0	806.4
127.5°	414.7	423.3	443.5	472.3	509.7	555.8	619.2	720.0	768.9	789.1
130°	423.3	432.0	452.1	480.9	515.5	564.5	616.3	694.1	760.3	777.6
132.5°	432.0	443.5	463.7	489.6	524.1	564.5	604.8	653.7	708.5	720.0
135°	443.5	455.0	472.3	498.2	529.9	564.5	604.8	633.6	665.3	682.5
137.5°	452.1	463.7	478.1	506.9	532.8	555.8	587.5	622.1	648.0	662.4
140°	460.8	472.3	486.7	512.6	535.7	552.9	570.2	587.5	607.7	622.1
142.5°	466.5	478.1	492.5	515.5	538.5	550.1	561.6	570.2	578.9	581.7
145°	475.2	483.8	498.2	515.5	541.4	552.9	561.6	567.3	573.1	573.1
147.5°	480.9	486.7	501.1	515.5	541.4	555.8	561.6	567.3	570.2	573.1
150°	483.8	489.6	501.1	515.5	538.5	555.8	561.6	567.3	567.3	570.2
152.5°	489.6	492.5	504.0	515.5	532.8	552.9	558.7	564.5	570.2	570.2
155°	492.5	495.3	504.0	512.6	527.0	547.2	555.8	561.6	564.5	567.3
157.5°	495.3	498.2	506.9	512.6	524.1	538.5	550.1	555.8	561.6	561.6
160°	498.2	501.1	506.9	512.6	521.3	527.0	535.7	544.3	550.1	550.1
162.5°	501.1	504.0	509.7	512.6	518.4	524.1	527.0	527.0	532.8	532.8
165°	501.1	504.0	509.7	512.6	515.5	521.3	521.3	521.3	521.3	521.3
167.5°	501.1	504.0	506.9	509.7	515.5	518.4	518.4	518.4	518.4	518.4
170°	504.0	504.0	506.9	509.7	512.6	515.5	512.6	512.6	512.6	512.6
172.5°	501.1	501.1	504.0	506.9	509.7	509.7	509.7	506.9	506.9	504.0
175°	501.1	501.1	501.1	501.1	504.0	506.9	504.0	501.1	498.2	495.3
177.5°	501.1	501.1	498.2	498.2	498.2	498.2	495.3	492.5	489.6	486.7
180°	492.5	492.5	492.5	492.5	492.5	492.5	492.5	492.5	492.5	492.5

(END OF REPORT)