

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: P213076

Luminaire Tested: **DSI-WD-60L835-1D-UNV-4-STD-DC-W**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P213076
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35733)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: DSI-WD-60L835-1D-UNV-4-STD-DC-W
Description: DIVIDE 4' SUSPENDED WAVESTREAM LED LUMINAIRE
WaveStream DIFFUSE OPTIC WITH DUST COVER, LIGHT LEVEL 5.
Light Source: (308) 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6045.1 lumens
Efficiency: N/A
Efficacy: 129.4 lumens/watt
Spacing Criteria (0/90/45): 1.34 / 1.47 / 1.55
Luminous Opening: Rectangular (W 0.83' x L: 3.83' x H: 0')
CIE Type: Semi-Direct

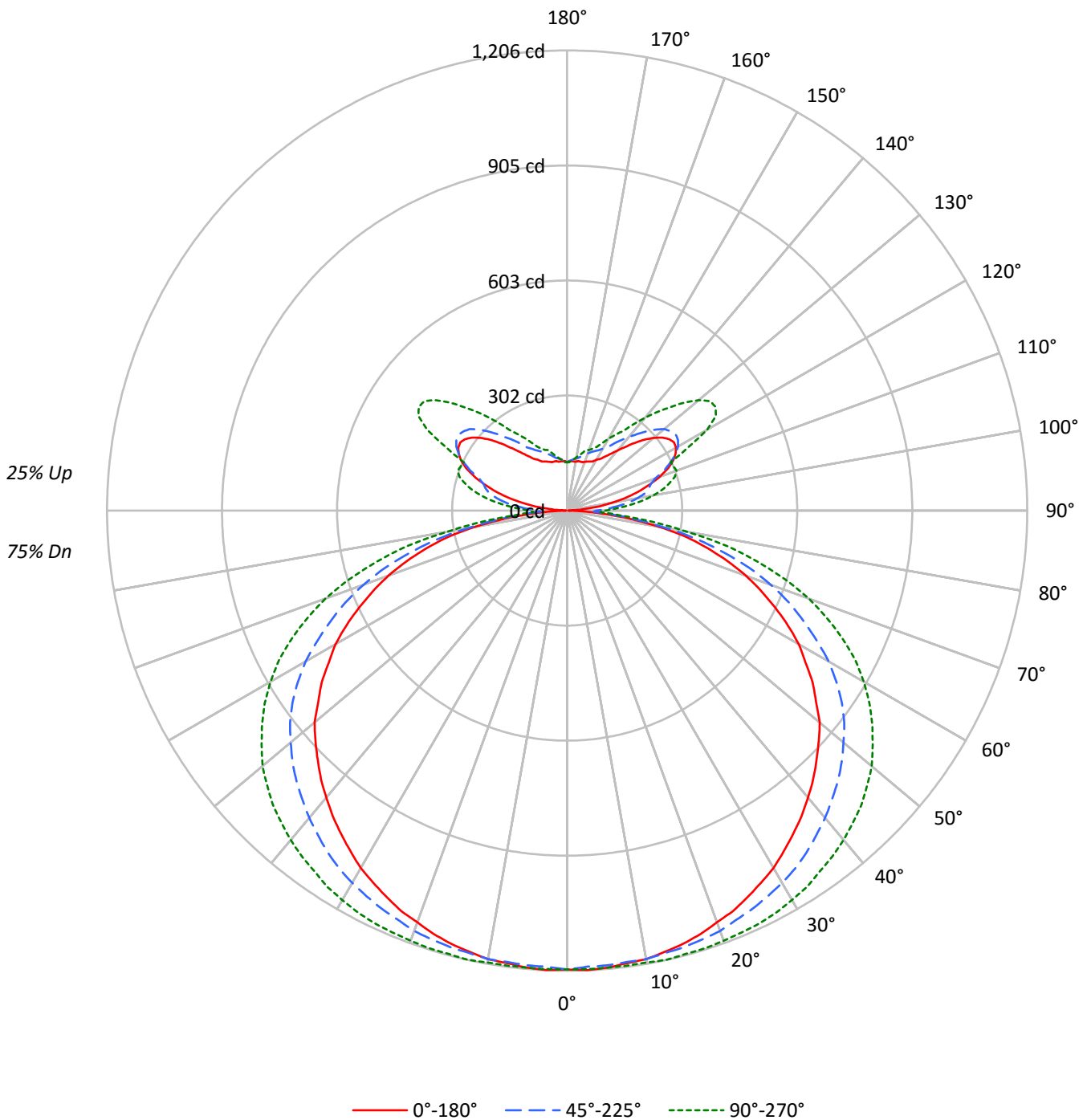
Input Watts (W): 46.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10
RCR																	
0	113	113	113	113	108	108	108	108	97	97	97	88	88	88	79	79	79
1	102	97	92	88	97	92	88	84	83	80	77	75	73	70	68	66	64
2	92	83	76	70	87	79	73	67	72	67	62	65	61	57	58	55	52
3	83	72	64	57	79	69	61	55	62	56	51	56	51	47	51	47	43
4	76	63	55	48	71	60	52	46	55	48	43	50	44	39	45	40	36
5	69	56	47	40	65	54	45	39	49	42	36	44	38	34	40	35	31
6	64	50	41	35	60	48	40	34	44	37	31	40	34	29	36	31	27
7	59	45	36	30	56	43	35	29	39	32	27	36	30	26	32	27	24
8	54	41	32	27	52	39	31	26	36	29	24	33	27	23	30	25	21
9	51	37	29	24	48	36	28	23	33	26	22	30	24	20	27	22	19
10	47	34	26	21	45	33	26	21	30	24	19	28	22	18	25	20	17

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4052	4052	4052
5°	4068	4047	4068
10°	4084	4084	4115
15°	4100	4132	4195
20°	4117	4204	4302
25°	4157	4280	4437
30°	4209	4385	4585
35°	4251	4499	4748
40°	4319	4625	4957
45°	4406	4781	5198
50°	4530	4958	5464
55°	4615	5166	5734
60°	4724	5335	6048
65°	4794	5445	6360
70°	4912	5597	6638
75°	4956	5546	6727
80°	4748	5101	6215
85°	3503	4554	5258



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	114.5	1.9
10°-20°	336.1	5.6
20°-30°	533.2	8.8
30°-40°	685.9	11.3
40°-50°	777.3	12.9
50°-60°	786.0	13.0
60°-70°	686.7	11.4
70°-80°	462.3	7.6
80°-90°	147.7	2.4
90°-100°	133.6	2.2
100°-110°	238.0	3.9
110°-120°	303.3	5.0
120°-130°	330.8	5.5
130°-140°	238.2	3.9
140°-150°	138.2	2.3
150°-160°	78.6	1.3
160°-170°	41.9	0.7
170°-180°	12.8	0.2
0°-30°	983.8	16.3
0°-40°	1669.7	27.6
0°-60°	3233.0	53.5
0°-90°	4529.8	74.9
90°-120°	674.8	11.2
90°-150°	1382.1	22.9
90°-180°	1515.0	25.1
0°-180°	6045.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1203	1203	1203	1203	1203	
5°	1203	1203	1196	1203	1203	114
15°	1175	1178	1184	1200	1203	332
25°	1118	1130	1151	1181	1194	516
35°	1033	1052	1094	1136	1154	648
45°	925	952	1003	1067	1091	715
55°	786	819	879	943	976	701
65°	601	641	683	761	798	595
75°	381	405	426	490	517	399
85°	91	97	118	133	136	107
90°	3	45	76	97	100	7
95°	45	94	133	157	163	54
105°	193	190	221	263	278	203
115°	305	293	299	305	299	298
125°	326	326	348	429	474	289
135°	251	266	293	350	384	195
145°	172	193	214	242	254	110
155°	142	154	172	178	184	66
165°	133	139	148	154	157	38
175°	130	130	133	133	133	12
180°	127	127	127	127	127	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1202.6	1202.6	1202.6	1202.6	1202.6
2.5°	1205.6	1202.6	1196.5	1202.6	1202.6
5°	1202.6	1202.6	1196.5	1202.6	1202.6
7.5°	1196.5	1199.6	1193.5	1202.6	1202.6
10°	1193.5	1193.5	1193.5	1202.6	1202.6
12.5°	1184.5	1187.5	1187.5	1199.6	1205.6
15°	1175.4	1178.4	1184.5	1199.6	1202.6
17.5°	1163.3	1169.4	1178.4	1196.5	1202.6
20°	1148.2	1157.3	1172.4	1193.5	1199.6
22.5°	1136.1	1145.2	1160.3	1187.5	1196.5
25°	1118.0	1130.1	1151.2	1181.4	1193.5
27.5°	1099.9	1111.9	1139.1	1172.4	1187.5
30°	1081.7	1096.8	1127.0	1163.3	1178.4
32.5°	1057.6	1075.7	1111.9	1151.2	1169.4
35°	1033.4	1051.5	1093.8	1136.1	1154.2
37.5°	1009.2	1030.4	1072.7	1121.0	1142.2
40°	982.0	1003.2	1051.5	1105.9	1127.0
42.5°	954.8	979.0	1027.3	1084.7	1108.9
45°	924.6	951.8	1003.2	1066.6	1090.8
47.5°	894.4	921.6	976.0	1042.4	1066.6
50°	864.2	891.4	945.8	1012.2	1042.4
52.5°	821.9	855.1	915.5	979.0	1009.2
55°	785.6	818.8	879.3	942.7	976.0
57.5°	740.3	779.6	837.0	903.5	939.7
60°	701.0	734.2	791.7	861.1	897.4
62.5°	652.7	688.9	737.3	812.8	852.1
65°	601.3	640.6	682.9	761.4	797.7
67.5°	549.9	586.2	628.5	701.0	737.3
70°	498.6	531.8	568.1	640.6	673.8
72.5°	441.2	471.4	501.6	568.1	598.3
75°	380.7	404.9	426.0	489.5	516.7
77.5°	320.3	332.4	350.5	404.9	429.1
80°	244.7	253.8	262.9	308.2	320.3
82.5°	166.2	172.2	184.3	211.5	223.6
85°	90.6	96.7	117.8	132.9	136.0
87.5°	30.2	48.3	69.5	81.6	87.6
90°	3.0	45.3	75.5	96.7	99.7
92.5°	15.1	69.5	102.7	120.9	126.9
95°	45.3	93.7	132.9	157.1	163.2
97.5°	84.6	117.8	163.2	190.4	199.4
100°	120.9	139.0	187.3	220.6	229.6
102.5°	160.1	160.1	208.5	244.7	256.8
105°	193.4	190.4	220.6	262.9	278.0
107.5°	226.6	217.6	229.6	278.0	296.1
110°	256.8	244.7	244.7	281.0	305.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	284.0	268.9	275.0	281.0	302.2
115°	305.2	293.1	299.1	305.2	299.1
117.5°	320.3	311.2	320.3	365.6	356.5
120°	329.4	323.3	335.4	404.9	423.0
122.5°	332.4	329.4	344.5	423.0	462.3
125°	326.3	326.3	347.5	429.1	474.4
127.5°	314.2	320.3	341.4	420.0	471.4
130°	296.1	305.2	332.4	401.9	450.2
132.5°	275.0	287.0	314.2	377.7	420.0
135°	250.8	265.9	293.1	350.5	383.7
137.5°	226.6	244.7	271.9	320.3	350.5
140°	205.5	226.6	250.8	293.1	317.3
142.5°	187.3	208.5	232.7	265.9	284.0
145°	172.2	193.4	214.5	241.7	253.8
147.5°	160.1	181.3	196.4	226.6	235.7
150°	154.1	169.2	187.3	208.5	217.6
152.5°	145.0	160.1	178.3	190.4	199.4
155°	142.0	154.1	172.2	178.3	184.3
157.5°	139.0	148.1	166.2	172.2	175.3
160°	136.0	145.0	160.1	169.2	169.2
162.5°	132.9	142.0	154.1	163.2	166.2
165°	132.9	139.0	148.1	154.1	157.1
167.5°	132.9	136.0	142.0	148.1	148.1
170°	129.9	132.9	139.0	142.0	142.0
172.5°	129.9	132.9	136.0	139.0	136.0
175°	129.9	129.9	132.9	132.9	132.9
177.5°	129.9	129.9	129.9	129.9	126.9
180°	126.9	126.9	126.9	126.9	126.9

(END OF REPORT)