

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: P213062

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P213062
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35732)
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-W
Description: DIVIDE 4' SUSPENDED WAVESTREAM LED LUMINAIRE
WaveStream DIFFUSE OPTIC, LIGHT LEVEL 5.
Light Source: (308) 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

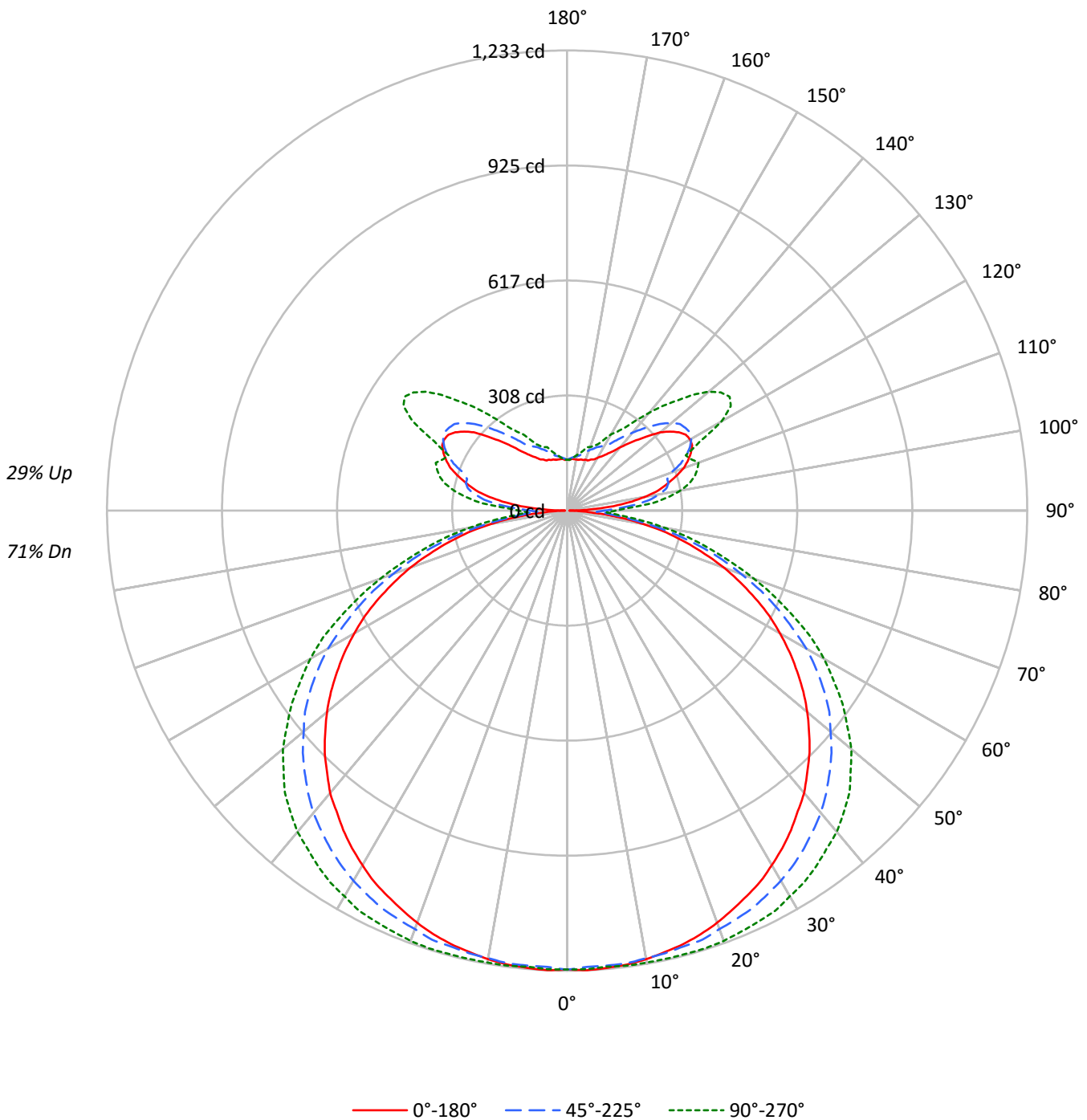
Lumens per Lamp: N/A
Luminaire Lumens: 6124.2 lumens
Efficiency: N/A
Efficacy: 131.1 lumens/watt
Spacing Criteria (0/90/45): 1.33 / 1.45 / 1.52
Luminous Opening: Rectangular (W 0.83' x L: 3.83' x H: 0')
CIE Type: Semi-Direct

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	0		
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50	30	10	0
RCR																				
0	112	112	112	112	106	106	106	106	95	95	95		85	85	85		75	75	75	71
1	101	97	92	88	96	91	88	84	82	79	76		73	71	69		65	63	62	58
2	92	83	77	71	86	79	73	68	71	66	62		63	59	56		56	53	51	47
3	83	73	65	58	78	69	62	56	62	56	51		55	51	47		49	45	42	39
4	76	64	55	49	71	61	53	47	55	48	43		49	44	39		43	39	36	33
5	69	57	48	41	65	54	46	40	49	42	37		44	38	34		39	34	31	28
6	64	51	42	36	60	48	40	34	44	37	32		39	33	29		35	30	27	24
7	59	46	37	31	55	43	36	30	39	33	28		35	30	26		32	27	24	21
8	55	41	33	27	52	39	32	26	36	29	25		32	27	23		29	24	21	19
9	51	38	30	24	48	36	29	23	33	26	22		30	24	20		27	22	19	17
10	48	35	27	22	45	33	26	21	30	24	20		27	22	18		25	20	17	15

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4144	4144	4144
5°	4160	4139	4150
10°	4177	4166	4208
15°	4195	4216	4290
20°	4215	4280	4399
25°	4235	4370	4516
30°	4267	4456	4644
35°	4301	4549	4785
40°	4346	4652	4944
45°	4377	4737	5097
50°	4403	4831	5211
55°	4420	4935	5290
60°	4439	4989	5356
65°	4433	4962	5324
70°	4406	4882	5239
75°	4288	4799	5153
80°	4046	4515	5160
85°	2919	4554	5374



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	117.1	1.9
10°-20°	343.5	5.6
20°-30°	543.3	8.9
30°-40°	692.6	11.3
40°-50°	767.4	12.5
50°-60°	744.0	12.1
60°-70°	611.1	10.0
70°-80°	386.3	6.3
80°-90°	141.2	2.3
90°-100°	187.6	3.1
100°-110°	309.1	5.0
110°-120°	358.3	5.9
120°-130°	371.3	6.1
130°-140°	260.1	4.2
140°-150°	148.5	2.4
150°-160°	84.5	1.4
160°-170°	44.7	0.7
170°-180°	13.6	0.2
0°-30°	1003.9	16.4
0°-40°	1696.5	27.7
0°-60°	3207.9	52.4
0°-90°	4346.5	71.0
90°-120°	855.0	14.0
90°-150°	1634.9	26.7
90°-180°	1778.0	29.0
0°-180°	6124.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1230	1230	1230	1230	1230	
5°	1230	1230	1224	1227	1227	117
15°	1203	1206	1209	1227	1230	340
25°	1139	1151	1175	1206	1215	526
35°	1046	1067	1106	1148	1163	654
45°	919	946	994	1048	1070	708
55°	752	786	840	882	900	673
65°	556	586	622	656	668	550
75°	329	350	369	381	396	347
85°	76	91	118	136	139	92
90°	6	57	100	121	130	13
95°	115	136	184	218	230	112
105°	278	251	281	332	354	292
115°	366	350	354	348	350	360
125°	366	372	387	477	532	324
135°	269	293	320	381	417	211
145°	184	208	230	260	272	118
155°	151	166	187	193	196	70
165°	142	148	157	166	166	40
175°	139	139	142	142	139	13
180°	136	136	136	136	136	



TEST NUMBER: P213062

CATALOG NUMBER: DSI-WD-60L835-1D-UNV-4-STD-W

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1229.8	1229.8	1229.8	1229.8	1229.8
2.5°	1232.8	1232.8	1223.7	1229.8	1229.8
5°	1229.8	1229.8	1223.7	1226.8	1226.8
7.5°	1226.8	1226.8	1223.7	1229.8	1229.8
10°	1220.7	1220.7	1217.7	1226.8	1229.8
12.5°	1211.7	1211.7	1214.7	1226.8	1229.8
15°	1202.6	1205.6	1208.6	1226.8	1229.8
17.5°	1190.5	1193.5	1205.6	1223.7	1229.8
20°	1175.4	1181.4	1193.5	1217.7	1226.8
22.5°	1157.3	1166.3	1184.5	1211.7	1220.7
25°	1139.1	1151.2	1175.4	1205.6	1214.7
27.5°	1121.0	1133.1	1160.3	1196.5	1208.6
30°	1096.8	1111.9	1145.2	1181.4	1193.5
32.5°	1072.7	1090.8	1127.0	1166.3	1181.4
35°	1045.5	1066.6	1105.9	1148.2	1163.3
37.5°	1015.3	1039.4	1081.7	1127.0	1142.2
40°	988.1	1009.2	1057.6	1105.9	1124.0
42.5°	951.8	979.0	1027.3	1075.7	1096.8
45°	918.6	945.8	994.1	1048.5	1069.6
47.5°	879.3	909.5	960.9	1015.3	1030.4
50°	840.0	870.2	921.6	972.9	994.1
52.5°	797.7	827.9	885.3	930.6	945.8
55°	752.4	785.6	840.0	882.3	900.4
57.5°	707.0	740.3	791.7	830.9	846.0
60°	658.7	688.9	740.3	776.5	794.7
62.5°	610.4	637.6	679.9	719.1	737.3
65°	556.0	586.2	622.4	655.7	667.8
67.5°	501.6	528.8	562.0	589.2	601.3
70°	447.2	471.4	495.5	522.7	531.8
72.5°	386.8	410.9	435.1	450.2	462.3
75°	329.4	350.5	368.6	380.7	395.8
77.5°	271.9	287.1	299.1	323.3	332.4
80°	208.5	220.6	232.7	256.8	265.9
82.5°	142.0	151.1	169.2	190.4	199.4
85°	75.5	90.6	117.8	136.0	139.0
87.5°	30.2	51.4	78.6	96.7	105.8
90°	6.0	57.4	99.7	120.9	129.9
92.5°	51.4	96.7	136.0	157.1	163.2
95°	114.8	136.0	184.3	217.6	229.6
97.5°	166.2	172.2	223.6	259.9	271.9
100°	211.5	193.4	250.8	296.1	308.2
102.5°	250.8	223.6	271.9	317.3	335.4
105°	278.0	250.8	281.0	332.4	353.5
107.5°	305.2	281.0	281.0	344.5	365.6
110°	332.4	308.2	296.1	344.5	374.7



TEST NUMBER: P213062

CATALOG NUMBER: DSI-WD-60L835-1D-UNV-4-STD-W

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	350.5	332.4	329.4	335.4	359.6
115°	365.6	350.5	353.5	347.5	350.5
117.5°	377.7	365.6	371.7	420.0	401.9
120°	380.7	374.7	383.7	462.3	477.4
122.5°	377.7	377.7	389.8	477.4	519.7
125°	365.6	371.7	386.8	477.4	531.8
127.5°	347.5	356.5	380.7	465.3	519.7
130°	326.3	338.4	365.6	441.2	495.5
132.5°	296.1	317.3	344.5	414.0	459.3
135°	268.9	293.1	320.3	380.7	417.0
137.5°	244.7	268.9	296.1	347.5	380.7
140°	220.6	244.7	271.9	314.2	341.4
142.5°	199.4	226.6	250.8	284.0	305.2
145°	184.3	208.5	229.6	259.9	271.9
147.5°	172.2	193.4	211.5	241.7	250.8
150°	163.2	181.3	202.4	223.6	235.7
152.5°	154.1	172.2	193.4	205.5	214.5
155°	151.1	166.2	187.3	193.4	196.4
157.5°	145.0	160.1	178.3	187.3	187.3
160°	145.0	154.1	172.2	181.3	181.3
162.5°	142.0	151.1	163.2	175.3	178.3
165°	142.0	148.1	157.1	166.2	166.2
167.5°	139.0	145.0	151.1	157.1	157.1
170°	139.0	142.0	148.1	151.1	151.1
172.5°	139.0	142.0	145.0	145.0	145.0
175°	139.0	139.0	142.0	142.0	139.0
177.5°	136.0	139.0	139.0	139.0	136.0
180°	136.0	136.0	136.0	136.0	136.0

(END OF REPORT)