

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: P213067

Luminaire Tested: **DSI-WD-60L840-1D-UNV-4-STD-W**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P213067
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-60L840-1D-UNV-4-STD-W
Description: DIVIDE 4' SUSPENDED WAVESTREAM LED LUMINAIRE
WaveStream DIFFUSE OPTIC, LIGHT LEVEL 5.
Light Source: (308) 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6197.8 lumens
Efficiency: N/A
Efficacy: 132.7 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

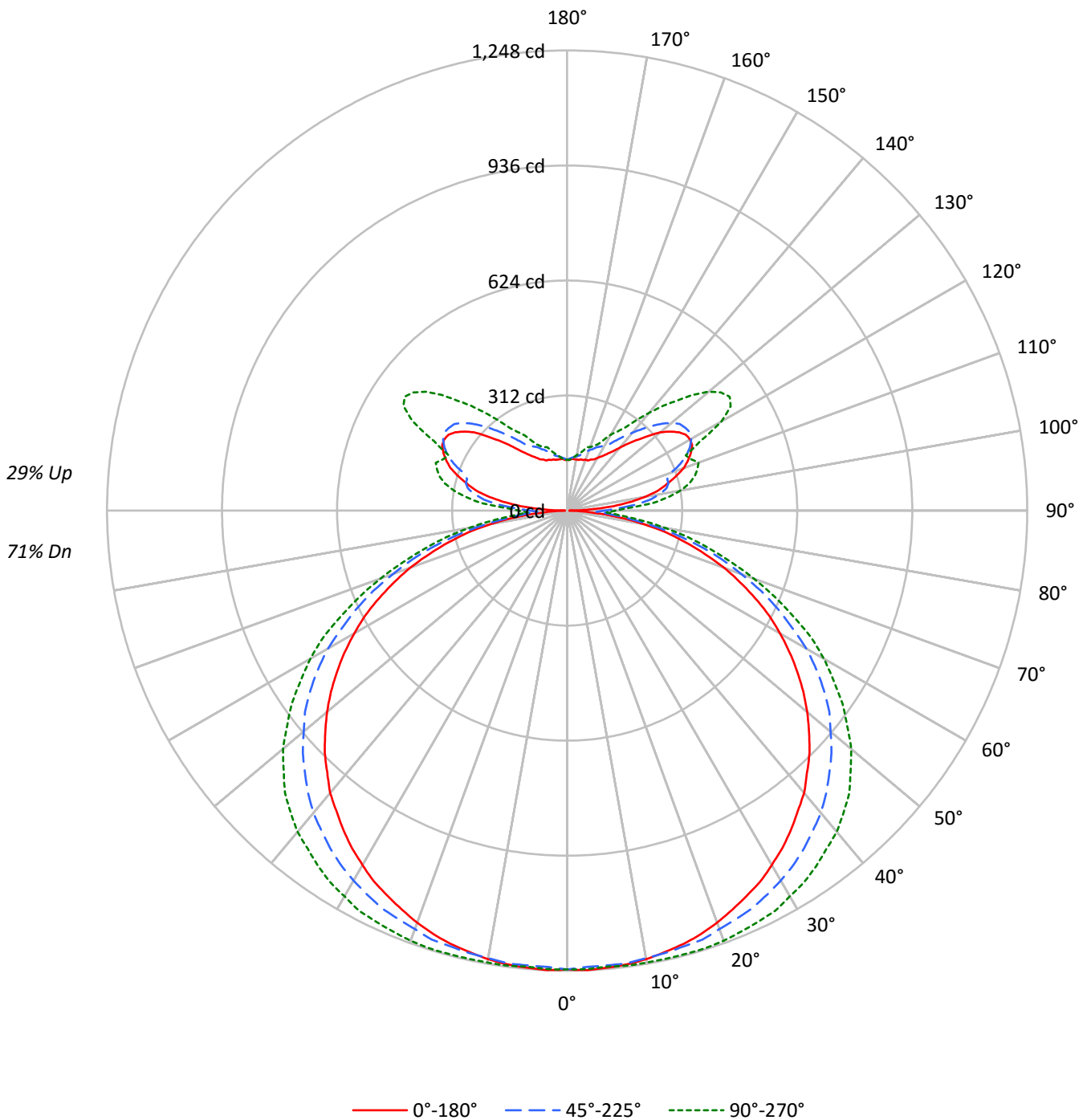
Input Watts (W): 46.7
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	4194	4194	4194
5°	4210	4189	4199
10°	4227	4216	4258
15°	4245	4267	4342
20°	4265	4331	4452
25°	4286	4422	4570
30°	4319	4509	4700
35°	4352	4604	4843
40°	4398	4708	5003
45°	4430	4794	5158
50°	4456	4889	5274
55°	4473	4994	5354
60°	4492	5049	5420
65°	4486	5022	5388
70°	4459	4941	5302
75°	4339	4857	5215
80°	4094	4570	5222
85°	2954	4612	5440



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	118.5	1.9
10°-20°	347.6	5.6
20°-30°	549.8	8.9
30°-40°	701.0	11.3
40°-50°	776.6	12.5
50°-60°	752.9	12.1
60°-70°	618.4	10.0
70°-80°	391.0	6.3
80°-90°	142.9	2.3
90°-100°	189.9	3.1
100°-110°	312.8	5.0
110°-120°	362.6	5.9
120°-130°	375.7	6.1
130°-140°	263.3	4.2
140°-150°	150.2	2.4
150°-160°	85.6	1.4
160°-170°	45.2	0.7
170°-180°	13.8	0.2
0°-30°	1015.9	16.4
0°-40°	1716.9	27.7
0°-60°	3246.4	52.4
0°-90°	4398.7	71.0
90°-120°	865.3	14.0
90°-150°	1654.5	26.7
90°-180°	1799.0	29.0
0°-180°	6197.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1245	1245	1245	1245	1245	
5°	1245	1245	1238	1242	1242	119
15°	1217	1220	1223	1242	1245	344
25°	1153	1165	1190	1220	1229	532
35°	1058	1079	1119	1162	1177	662
45°	930	957	1006	1061	1082	716
55°	761	795	850	893	911	681
65°	563	593	630	664	676	556
75°	333	355	373	385	401	351
85°	76	92	119	138	141	93
90°	6	58	101	122	132	13
95°	116	138	186	220	232	114
105°	281	254	284	336	358	296
115°	370	355	358	352	355	364
125°	370	376	391	483	538	328
135°	272	297	324	385	422	213
145°	186	211	232	263	275	120
155°	153	168	190	196	199	71
165°	144	150	159	168	168	41
175°	141	141	144	144	141	13
180°	138	138	138	138	138	



TEST NUMBER: P213067

CATALOG NUMBER: DSI-WD-60L840-1D-UNV-4-STD-W

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1244.6	1244.6	1244.6	1244.6	1244.6
2.5°	1247.6	1247.6	1238.4	1244.6	1244.6
5°	1244.6	1244.6	1238.4	1241.5	1241.5
7.5°	1241.5	1241.5	1238.4	1244.6	1244.6
10°	1235.4	1235.4	1232.3	1241.5	1244.6
12.5°	1226.2	1226.2	1229.3	1241.5	1244.6
15°	1217.0	1220.1	1223.2	1241.5	1244.6
17.5°	1204.8	1207.9	1220.1	1238.4	1244.6
20°	1189.5	1195.6	1207.9	1232.3	1241.5
22.5°	1171.2	1180.3	1198.7	1226.2	1235.4
25°	1152.8	1165.1	1189.5	1220.1	1229.3
27.5°	1134.5	1146.7	1174.2	1210.9	1223.2
30°	1110.0	1125.3	1158.9	1195.6	1207.9
32.5°	1085.6	1103.9	1140.6	1180.3	1195.6
35°	1058.0	1079.4	1119.2	1162.0	1177.3
37.5°	1027.5	1051.9	1094.7	1140.6	1155.9
40°	999.9	1021.3	1070.3	1119.2	1137.5
42.5°	963.2	990.8	1039.7	1088.6	1110.0
45°	929.6	957.1	1006.0	1061.1	1082.5
47.5°	889.8	920.4	972.4	1027.5	1042.7
50°	850.1	880.7	932.7	984.6	1006.0
52.5°	807.3	837.9	896.0	941.8	957.1
55°	761.4	795.1	850.1	892.9	911.3
57.5°	715.5	749.2	801.2	840.9	856.2
60°	666.6	697.2	749.2	785.9	804.2
62.5°	617.7	645.2	688.0	727.8	746.1
65°	562.7	593.2	629.9	663.6	675.8
67.5°	507.6	535.1	568.8	596.3	608.5
70°	452.6	477.0	501.5	529.0	538.2
72.5°	391.4	415.9	440.3	455.6	467.9
75°	333.3	354.7	373.1	385.3	400.6
77.5°	275.2	290.5	302.7	327.2	336.4
80°	211.0	223.2	235.5	259.9	269.1
82.5°	143.7	152.9	171.2	192.6	201.8
85°	76.4	91.7	119.3	137.6	140.7
87.5°	30.6	52.0	79.5	97.9	107.0
90°	6.1	58.1	100.9	122.3	131.5
92.5°	52.0	97.9	137.6	159.0	165.1
95°	116.2	137.6	186.5	220.2	232.4
97.5°	168.2	174.3	226.3	263.0	275.2
100°	214.1	195.7	253.8	299.7	311.9
102.5°	253.8	226.3	275.2	321.1	339.4
105°	281.3	253.8	284.4	336.4	357.8
107.5°	308.8	284.4	284.4	348.6	370.0
110°	336.4	311.9	299.7	348.6	379.2



TEST NUMBER: P213067

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	354.7	336.4	333.3	339.4	363.9
115°	370.0	354.7	357.8	351.7	354.7
117.5°	382.2	370.0	376.1	425.0	406.7
120°	385.3	379.2	388.4	467.9	483.1
122.5°	382.2	382.2	394.5	483.1	526.0
125°	370.0	376.1	391.4	483.1	538.2
127.5°	351.7	360.8	385.3	470.9	526.0
130°	330.3	342.5	370.0	446.5	501.5
132.5°	299.7	321.1	348.6	418.9	464.8
135°	272.2	296.6	324.1	385.3	422.0
137.5°	247.7	272.2	299.7	351.7	385.3
140°	223.2	247.7	275.2	318.0	345.5
142.5°	201.8	229.3	253.8	287.4	308.8
145°	186.5	211.0	232.4	263.0	275.2
147.5°	174.3	195.7	214.1	244.6	253.8
150°	165.1	183.5	204.9	226.3	238.5
152.5°	156.0	174.3	195.7	207.9	217.1
155°	152.9	168.2	189.6	195.7	198.8
157.5°	146.8	162.1	180.4	189.6	189.6
160°	146.8	156.0	174.3	183.5	183.5
162.5°	143.7	152.9	165.1	177.4	180.4
165°	143.7	149.8	159.0	168.2	168.2
167.5°	140.7	146.8	152.9	159.0	159.0
170°	140.7	143.7	149.8	152.9	152.9
172.5°	140.7	143.7	146.8	146.8	146.8
175°	140.7	140.7	143.7	143.7	140.7
177.5°	137.6	140.7	140.7	140.7	137.6
180°	137.6	137.6	137.6	137.6	137.6

(END OF REPORT)