

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: P559707

Luminaire Tested: **DL2-WB-M-025U-125D-940-UNV-STD-W-4**

Issue Date: 3/5/2020

Test Information

Test Method: LM-79-08
Report Number: P559707
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2104-222-9, G3-2104-222-8)
Test Lab: INNOVATION CENTER
Issue Date: 3/5/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: DL2-WB-M-025U-125D-940-UNV-STD-W-4
Description: CORELITE DL2 SUSPENDED LED LUMINAIRE
DOWNLIGHT 1250 LUMENS PER FOOT
UPLIGHT 250 LUMENS PER FOOT
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

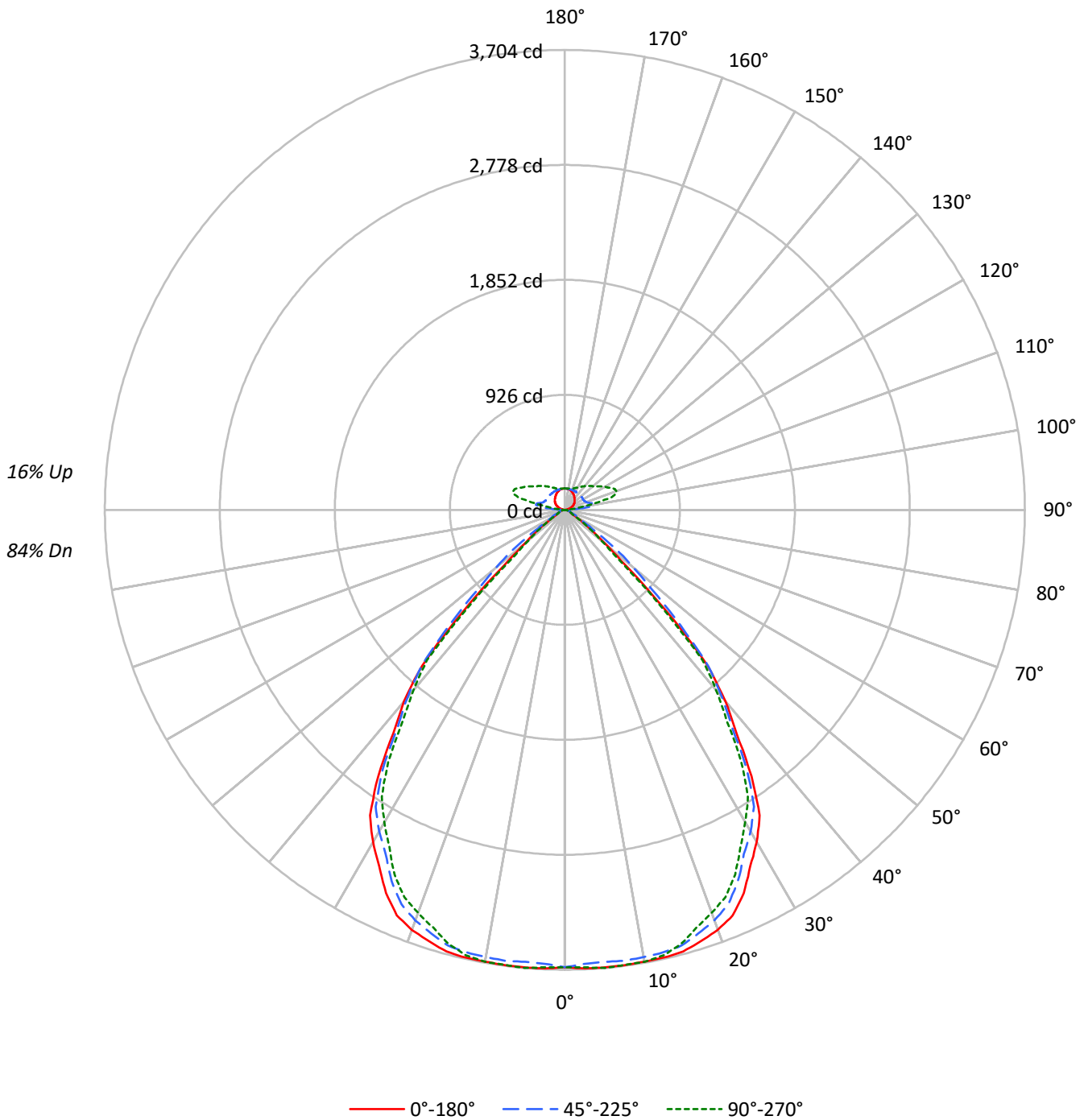
Lumens per Lamp: N/A
Luminaire Lumens: 6816.4 lumens
Efficiency: N/A
Efficacy: 119.4 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.18 / 1.17
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Semi-Direct

Input Watts (W): 57.1
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: 24 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	115	115	115	115	111	111	111	111	102	102	102	95	95	95	88	88	88	84
1	108	105	102	99	104	101	99	96	94	92	91	88	87	85	82	81	80	77
2	101	96	91	87	98	93	88	85	87	83	80	81	79	76	76	74	72	70
3	95	87	81	76	91	85	79	75	80	75	72	75	72	69	71	68	66	63
4	89	80	73	68	85	77	71	67	73	68	64	69	65	62	66	62	60	57
5	83	73	66	61	80	71	65	60	67	62	58	64	60	56	61	57	54	52
6	78	67	60	55	75	65	59	54	62	57	53	59	55	51	56	52	49	47
7	73	62	55	50	70	60	54	49	58	52	48	55	50	46	52	48	45	43
8	68	57	50	45	66	56	49	45	53	48	44	51	46	43	49	45	42	40
9	64	53	46	42	62	52	45	41	50	44	40	48	43	39	46	41	38	37
10	60	49	43	38	59	48	42	38	46	41	37	45	40	36	43	38	35	34

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	59473	59473	59473
5°	59940	59221	60026
10°	60581	59940	60599
15°	61553	60740	60495
20°	61855	60458	59369
25°	60690	58772	57774
30°	57586	55754	54178
35°	51637	50407	48846
40°	42392	41456	39943
45°	26508	30102	24048
50°	10482	17804	9367
55°	5084	8087	5025
60°	2386	3956	2183
65°	2139	2300	2059
70°	2096	2143	1945
75°	2040	2040	1847
80°	1962	1962	1767
85°	1760	1760	1760



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	352.0	5.2
10°-20°	1028.7	15.1
20°-30°	1520.8	22.3
30°-40°	1571.5	23.1
40°-50°	945.6	13.9
50°-60°	227.3	3.3
60°-70°	62.1	0.9
70°-80°	34.6	0.5
80°-90°	11.3	0.2
90°-100°	69.3	1.0
100°-110°	215.5	3.2
110°-120°	210.9	3.1
120°-130°	172.1	2.5
130°-140°	140.8	2.1
140°-150°	109.9	1.6
150°-160°	79.3	1.2
160°-170°	48.5	0.7
170°-180°	16.3	0.2
0°-30°	2901.5	42.6
0°-40°	4473.0	65.6
0°-60°	5645.8	82.8
0°-90°	5753.7	84.4
90°-120°	495.7	7.3
90°-150°	918.5	13.5
90°-180°	1063.0	15.6
0°-180°	6816.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3684	3684	3684	3684	3684	
5°	3698	3687	3654	3706	3704	353
15°	3682	3710	3634	3635	3619	1038
25°	3407	3433	3299	3252	3243	1557
35°	2620	2614	2557	2508	2478	1612
45°	1161	1318	1318	1246	1053	899
55°	181	203	287	194	178	184
65°	56	59	60	56	54	57
75°	33	35	33	32	30	34
85°	10	10	10	10	10	11
90°	0	1	3	3	3	1
95°	10	28	127	47	30	11
105°	38	53	212	405	387	40
115°	67	80	172	355	416	66
125°	94	104	170	280	328	83
135°	112	125	169	241	271	87
145°	131	142	169	208	227	82
155°	150	155	170	187	193	69
165°	165	166	171	176	179	46
175°	171	171	171	172	171	16
180°	171	171	171	171	171	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3683.5	3683.5	3683.5	3683.5	3683.5
2.5°	3697.0	3687.9	3659.0	3692.7	3686.9
5°	3698.3	3686.9	3653.9	3705.6	3703.6
7.5°	3697.7	3691.7	3663.6	3703.4	3695.3
10°	3695.1	3698.2	3656.0	3699.3	3696.2
12.5°	3693.4	3707.3	3651.8	3682.3	3674.2
15°	3682.4	3710.3	3633.8	3634.6	3619.1
17.5°	3642.3	3676.2	3577.0	3547.6	3528.0
20°	3600.0	3633.1	3518.7	3474.9	3455.3
22.5°	3534.1	3564.7	3437.6	3393.1	3376.7
25°	3406.7	3432.6	3299.0	3252.3	3243.0
27.5°	3235.0	3245.9	3123.2	3077.4	3061.5
30°	3088.8	3089.8	2990.5	2936.0	2906.0
32.5°	2918.9	2911.7	2835.0	2780.3	2742.9
35°	2619.8	2613.6	2557.4	2508.2	2478.2
37.5°	2268.2	2267.2	2213.7	2171.2	2141.0
40°	2011.3	2018.5	1966.9	1913.7	1895.1
42.5°	1703.7	1757.2	1713.4	1655.2	1643.3
45°	1160.9	1317.9	1318.3	1246.3	1053.2
47.5°	664.0	833.4	948.8	734.5	545.3
50°	417.3	545.3	708.8	447.3	372.9
52.5°	296.4	359.2	524.6	314.6	278.2
55°	180.6	203.4	287.3	194.0	178.5
57.5°	109.4	130.7	166.5	130.1	109.9
60°	73.9	93.6	122.5	86.2	67.6
62.5°	65.5	72.7	96.3	67.9	60.8
65°	56.0	59.1	60.2	55.9	53.9
67.5°	49.4	51.5	50.5	49.4	46.3
70°	44.4	46.4	45.4	44.3	41.2
72.5°	39.3	41.4	40.4	39.2	37.0
75°	32.7	34.8	32.7	31.6	29.6
77.5°	25.4	27.2	26.2	25.3	23.2
80°	21.1	22.2	21.1	21.1	19.0
82.5°	16.9	17.1	16.1	16.0	14.8
85°	9.5	10.5	9.5	9.5	9.5
87.5°	3.4	3.6	4.0	4.0	3.2
90°	0.0	1.0	3.2	3.2	3.2
92.5°	3.4	11.8	40.1	13.2	10.7
95°	9.5	27.9	127.1	46.9	30.5
97.5°	17.2	36.3	210.5	131.0	82.6
100°	23.1	40.6	237.4	222.1	148.1
102.5°	29.0	45.6	232.4	317.2	249.0
105°	37.8	53.2	212.2	405.1	386.6
107.5°	46.6	61.0	192.9	411.8	432.2
110°	52.5	66.9	182.8	402.2	442.2

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	58.4	72.0	177.7	384.8	435.5
115°	67.2	79.6	172.3	355.4	416.0
117.5°	75.8	87.1	170.0	327.3	389.3
120°	80.9	92.2	169.1	311.2	370.8
122.5°	85.9	97.2	170.0	297.7	352.3
125°	93.5	103.8	170.2	279.5	327.7
127.5°	99.6	110.1	170.2	265.9	306.9
130°	102.9	114.2	170.2	258.2	295.2
132.5°	107.1	118.4	169.3	251.4	285.9
135°	112.4	124.7	169.1	241.2	271.0
137.5°	118.5	129.8	169.1	231.1	258.2
140°	121.9	133.2	169.1	224.3	249.0
142.5°	126.1	136.5	169.1	217.5	239.7
145°	131.3	141.6	169.1	208.4	226.9
147.5°	137.6	146.4	170.2	199.9	214.5
150°	141.8	149.0	170.2	195.6	206.9
152.5°	145.2	151.5	170.2	191.4	201.1
155°	150.2	155.4	170.2	187.1	193.3
157.5°	155.3	159.2	170.2	183.3	187.2
160°	158.6	161.7	170.2	180.8	183.8
162.5°	161.1	163.4	170.2	179.1	181.3
165°	164.9	166.0	171.2	176.5	178.6
167.5°	167.2	167.4	170.2	175.0	176.1
170°	168.1	169.1	170.2	173.4	174.4
172.5°	169.8	170.0	171.0	172.5	172.7
175°	171.2	171.2	171.2	172.3	171.2
177.5°	171.2	171.2	171.2	171.2	171.2
180°	171.2	171.2	171.2	171.2	171.2

(END OF REPORT)