

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: P559737

Luminaire Tested: **DL2-WB-M-0U-075D-940-UNV-STD-W-4**

Issue Date: 3/5/2020

Test Information

Test Method: LM-79-08
Report Number: P559737
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2104-222-6)
Test Lab: INNOVATION CENTER
Issue Date: 3/5/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: DL2-WB-M-0U-075D-940-UNV-STD-W-4
Description: CORELITE DL2 SUSPENDED LED LUMINAIRE
DOWNLIGHT 750 LUMENS PER FOOT
DIRECT ONLY
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

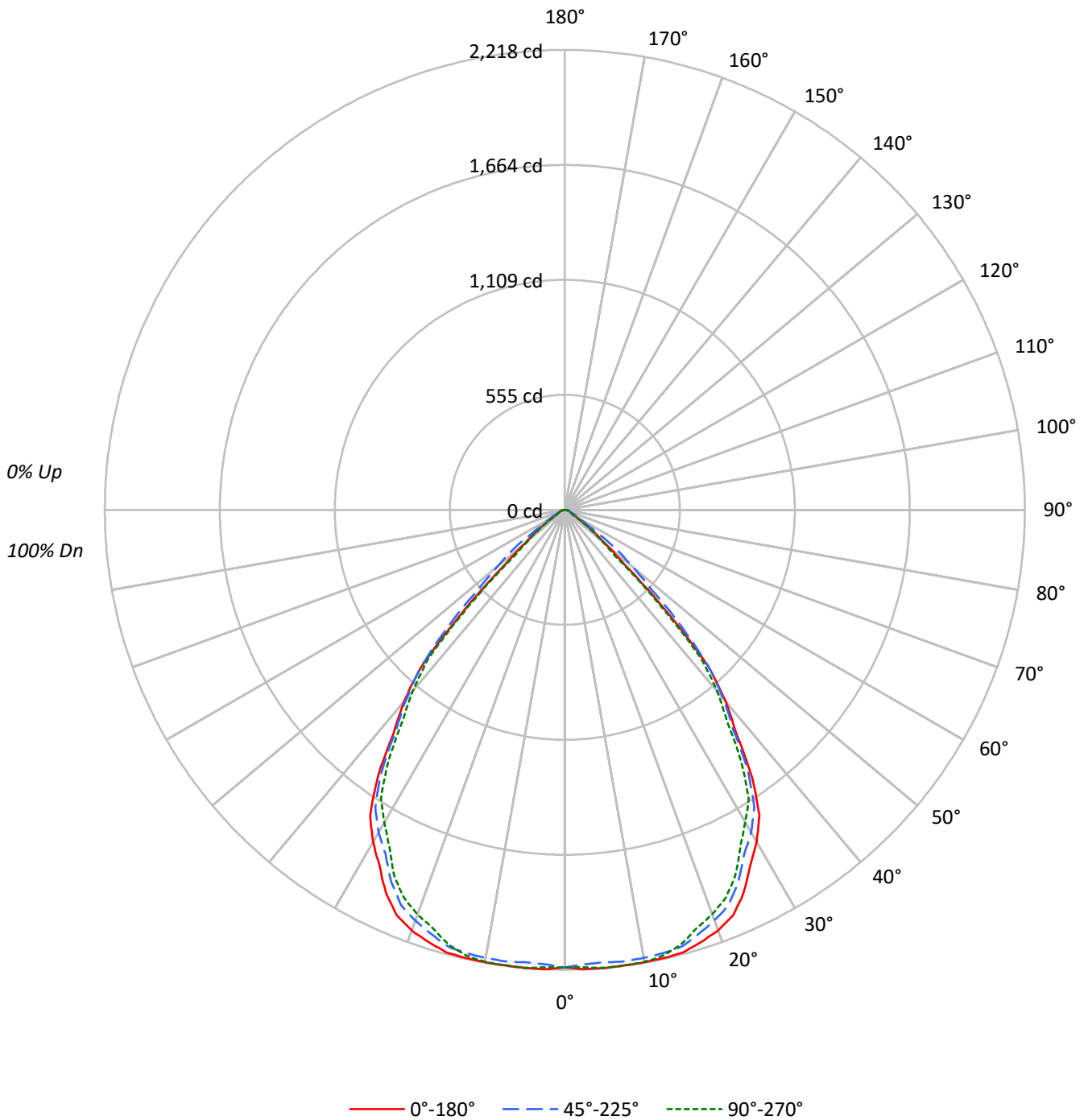
Lumens per Lamp: N/A
Luminaire Lumens: 3451.5 lumens
Efficiency: N/A
Efficacy: 125.1 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.18 / 1.17
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 27.6
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	50	30	10	0	
RCR																						
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100				100
1	112	109	106	104	110	107	104	102	103	101	99	99	98	96	96	94	93	91				91
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	85	83				83
3	99	92	86	81	97	90	85	80	87	83	79	85	81	78	83	79	77	75				75
4	93	84	78	73	91	83	77	72	81	75	71	79	74	70	77	73	70	68				68
5	87	77	70	65	85	76	70	65	74	69	65	73	68	64	71	67	63	62				62
6	82	71	64	59	80	70	64	59	69	63	59	67	62	58	66	61	58	56				56
7	77	66	59	54	75	65	59	54	64	58	54	63	57	53	61	57	53	51				51
8	72	61	54	49	71	61	54	49	59	53	49	58	53	49	57	52	49	47				47
9	68	57	50	45	67	56	50	45	55	49	45	54	49	45	53	48	45	43				43
10	64	53	46	42	63	53	46	42	52	46	42	51	45	42	50	45	41	40				40

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	35626	35626	35626
5°	35950	35504	35934
10°	36315	35967	36297
15°	36918	36441	36264
20°	37094	36221	35677
25°	36332	35258	34673
30°	34472	33486	32421
35°	31003	30356	29250
40°	25417	25037	24078
45°	15892	18091	14926
50°	6217	10547	5687
55°	3068	4912	3037
60°	1434	2357	1298
65°	1291	1375	1211
70°	1246	1298	1199
75°	1254	1254	1123
80°	1181	1181	1079
85°	1167	982	982



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	211.0	6.1
10°-20°	616.9	17.9
20°-30°	912.0	26.4
30°-40°	943.7	27.3
40°-50°	567.7	16.4
50°-60°	135.9	3.9
60°-70°	37.1	1.1
70°-80°	20.8	0.6
80°-90°	6.5	0.2
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1739.9	50.4
0°-40°	2683.6	77.8
0°-60°	3387.1	98.1
0°-90°	3451.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3451.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2206	2206	2206	2206	2206	
5°	2218	2211	2191	2220	2217	212
15°	2209	2225	2180	2180	2170	622
25°	2039	2056	1979	1958	1946	932
35°	1573	1571	1540	1505	1484	966
45°	696	790	792	753	654	538
55°	109	122	174	116	108	109
65°	34	35	36	34	32	34
75°	20	20	20	19	18	21
85°	6	6	5	5	5	7
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2206.5	2206.5	2206.5	2206.5	2206.5
2.5°	2217.5	2211.7	2193.8	2212.3	2208.2
5°	2218.1	2210.9	2190.6	2220.2	2217.1
7.5°	2215.8	2212.7	2197.2	2219.5	2214.8
10°	2215.0	2216.0	2193.8	2217.0	2213.9
12.5°	2214.1	2222.6	2190.4	2208.5	2201.2
15°	2208.6	2225.2	2180.1	2179.8	2169.5
17.5°	2185.1	2204.8	2144.5	2127.9	2115.3
20°	2158.9	2178.6	2108.1	2081.6	2076.4
22.5°	2117.4	2138.7	2063.3	2034.1	2025.6
25°	2039.4	2055.9	1979.1	1957.7	1946.3
27.5°	1935.3	1944.4	1872.2	1847.8	1832.1
30°	1849.0	1853.1	1796.1	1763.8	1739.0
32.5°	1746.6	1750.7	1700.5	1670.0	1650.1
35°	1572.9	1570.8	1540.1	1504.7	1484.0
37.5°	1355.6	1358.5	1334.3	1306.3	1285.4
40°	1205.9	1207.9	1187.9	1147.6	1142.4
42.5°	1023.1	1054.1	1027.1	995.7	971.5
45°	696.0	790.1	792.3	753.0	653.7
47.5°	393.1	500.2	562.1	449.3	328.8
50°	247.5	319.9	419.9	266.7	226.4
52.5°	175.6	212.4	316.7	187.6	166.3
55°	109.0	122.4	174.5	116.2	107.9
57.5°	64.7	78.6	99.2	78.6	65.6
60°	44.4	55.8	73.0	51.6	40.2
62.5°	38.5	43.3	57.8	40.7	36.8
65°	33.8	34.9	36.0	33.8	31.7
67.5°	29.8	30.9	30.0	29.8	27.9
70°	26.4	27.5	27.5	26.4	25.4
72.5°	23.9	24.9	24.1	23.9	22.0
75°	20.1	20.1	20.1	19.0	18.0
77.5°	15.2	16.3	15.2	15.2	14.2
80°	12.7	13.7	12.7	12.7	11.6
82.5°	10.2	10.4	10.2	10.1	9.1
85°	6.3	6.3	5.3	5.3	5.3
87.5°	1.7	2.5	1.7	1.7	1.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)