

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: P383976

Luminaire Tested: **22ID-60-L840-CFR2**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P383976
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1911-572-66)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 2/25/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22ID-60-L840-CFR2
Description: 2X2 IN DEPTH TROFFER WITH 2INCH RECESSED COFFER LENS

Light Source: -
Ballast/Driver: -

Summary

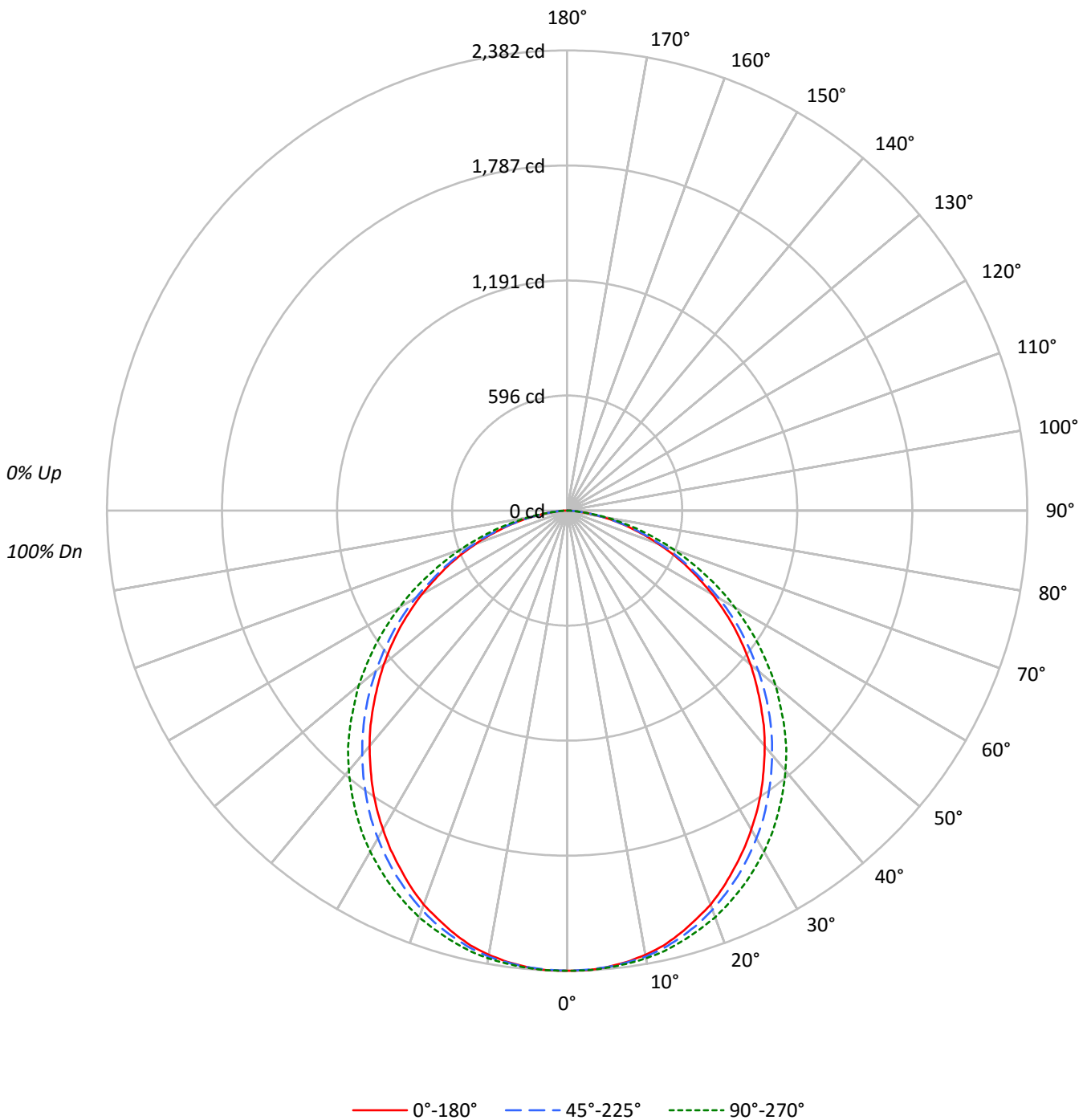
Lumens per Lamp: N/A
Luminaire Lumens: 6288.0 lumens
Efficiency: N/A
Efficacy: 122.3 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.27 / 1.33
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 51.4
Input Voltage (V): NR
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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	109	105	101	97	107	102	99	95	98	95	92	94	92	89	91	89	87	85
2	100	92	85	79	97	90	84	79	86	81	77	83	79	75	80	76	73	71
3	91	81	73	66	89	79	72	66	76	70	65	73	68	64	71	66	62	60
4	83	72	63	57	81	70	62	56	68	61	55	66	60	55	63	58	54	52
5	77	64	55	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45
6	71	58	49	43	69	57	49	43	55	48	42	53	47	42	52	46	41	39
7	66	53	44	38	64	52	44	38	50	43	37	49	42	37	47	41	37	35
8	61	48	40	34	60	47	39	34	46	39	33	45	38	33	44	38	33	31
9	57	44	36	30	56	43	36	30	42	35	30	41	35	30	40	34	30	28
10	54	41	33	28	53	40	33	28	39	32	27	38	32	27	37	31	27	25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	6410	6410	6410
5°	6409	6409	6417
10°	6380	6406	6431
15°	6311	6364	6425
20°	6217	6298	6415
25°	6071	6203	6380
30°	5923	6090	6334
35°	5765	5952	6262
40°	5589	5800	6176
45°	5384	5624	6055
50°	5184	5408	5896
55°	4952	5174	5676
60°	4680	4884	5392
65°	4353	4494	5035
70°	3942	4091	4611
75°	3439	3570	4029
80°	2783	2831	3174
85°	1655	1849	1556



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	225.5	3.6
10°-20°	644.5	10.2
20°-30°	964.1	15.3
30°-40°	1139.0	18.1
40°-50°	1149.4	18.3
50°-60°	998.2	15.9
60°-70°	715.7	11.4
70°-80°	372.9	5.9
80°-90°	78.7	1.3
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°	1834.1	29.2
0°-40°	2973.2	47.3
0°-60°	5120.7	81.4
0°-90°	6288.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6288.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2382	2382	2382	2382	2382	
5°	2372	2369	2372	2372	2376	225
15°	2265	2268	2284	2300	2306	638
25°	2045	2057	2089	2130	2149	942
35°	1755	1768	1812	1878	1906	1097
45°	1415	1430	1478	1553	1591	1092
55°	1056	1065	1103	1175	1210	943
65°	684	681	706	759	791	676
75°	331	328	343	369	388	353
85°	54	60	60	54	50	77
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2382.0	2382.0	2382.0	2382.0	2382.0
2.5°	2382.0	2378.8	2378.8	2378.8	2382.0
5°	2372.5	2369.4	2372.5	2372.5	2375.7
7.5°	2356.8	2353.6	2359.9	2363.1	2366.2
10°	2334.7	2334.7	2344.2	2350.5	2353.6
12.5°	2306.4	2306.4	2319.0	2328.4	2334.7
15°	2265.4	2268.5	2284.3	2300.1	2306.4
17.5°	2218.1	2227.6	2246.5	2268.5	2274.9
20°	2170.9	2177.2	2199.2	2227.6	2240.2
22.5°	2111.0	2120.5	2145.7	2183.5	2196.1
25°	2044.8	2057.4	2089.0	2129.9	2148.8
27.5°	1978.7	1988.1	2025.9	2073.2	2095.3
30°	1906.2	1918.8	1959.8	2013.3	2038.5
32.5°	1833.7	1843.2	1890.5	1947.2	1975.5
35°	1755.0	1767.6	1811.7	1877.9	1906.2
37.5°	1673.1	1688.8	1732.9	1802.2	1833.7
40°	1591.1	1600.6	1651.0	1720.3	1758.1
42.5°	1506.1	1518.7	1565.9	1641.5	1679.4
45°	1414.7	1430.4	1477.7	1553.3	1591.1
47.5°	1326.5	1342.2	1386.3	1462.0	1496.6
50°	1238.3	1247.7	1291.8	1367.4	1408.4
52.5°	1146.9	1156.3	1197.3	1269.8	1307.6
55°	1055.5	1065.0	1102.8	1175.2	1209.9
57.5°	961.0	967.3	1005.1	1071.3	1105.9
60°	869.6	872.8	907.4	967.3	1001.9
62.5°	771.9	775.1	800.3	869.6	901.1
65°	683.7	680.6	705.8	759.3	790.8
67.5°	592.3	592.3	614.4	661.7	686.9
70°	501.0	501.0	519.9	560.8	586.0
72.5°	415.9	415.9	431.7	463.2	482.1
75°	330.8	327.7	343.4	368.6	387.5
77.5°	252.1	252.1	258.4	280.4	293.0
80°	179.6	179.6	182.7	195.3	204.8
82.5°	113.4	113.4	113.4	119.7	122.9
85°	53.6	59.9	59.9	53.6	50.4
87.5°	25.2	25.2	22.1	22.1	22.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)