

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: P383980

Luminaire Tested: **22ID-65-L840-CFR2**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P383980
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-65-L840-CFR2
Description: 2X2 IN DEPTH TROFFER WITH 2INCH RECESSED COFFER LENS

Light Source: -
Ballast/Driver: -

Summary

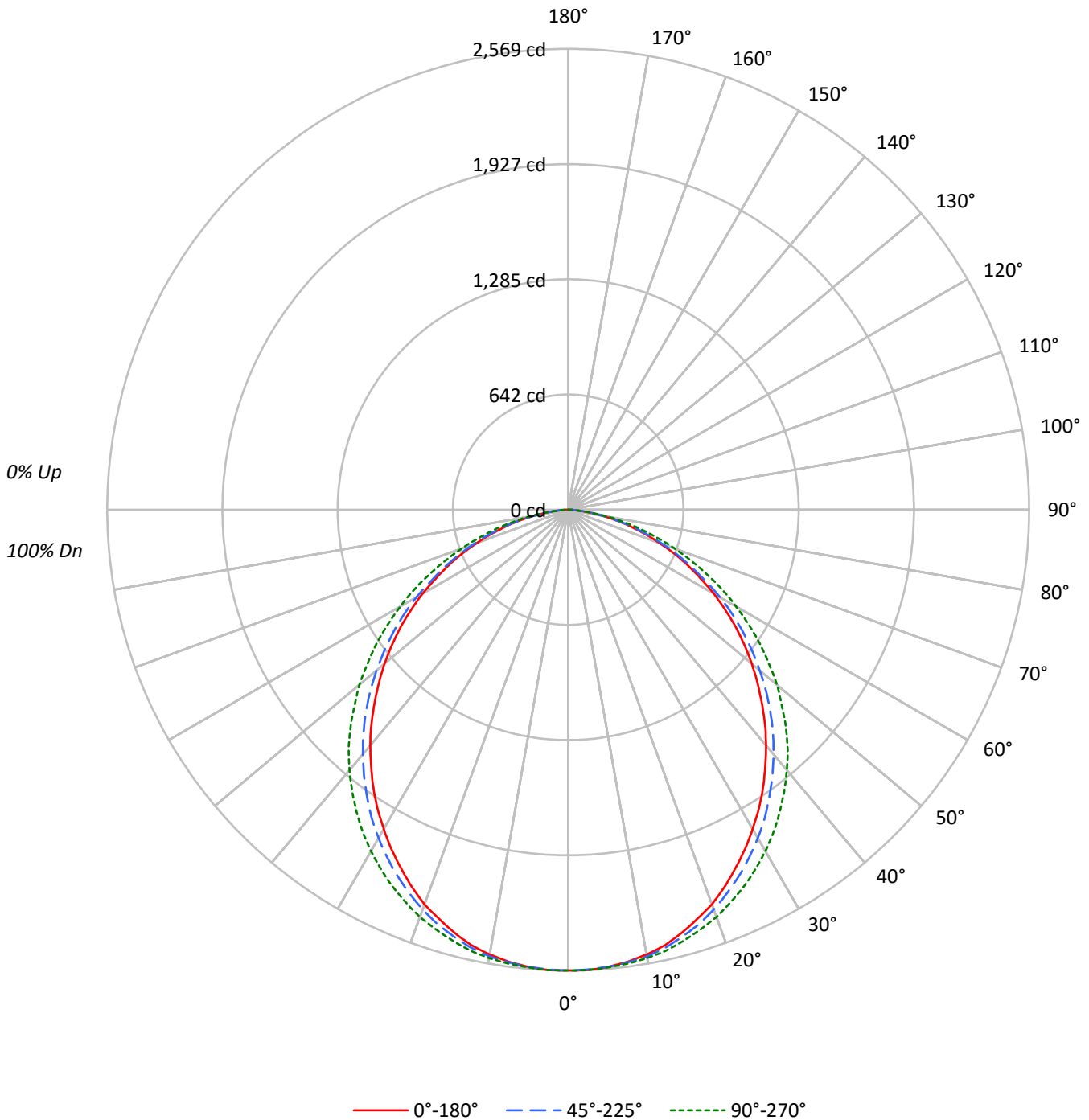
Lumens per Lamp: N/A
Luminaire Lumens: 6781.0 lumens
Efficiency: N/A
Efficacy: 119.8 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.27 / 1.33
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 56.6
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°	6912	6912	6912
5°	6911	6911	6920
10°	6880	6908	6936
15°	6806	6863	6929
20°	6704	6792	6918
25°	6548	6689	6880
30°	6388	6567	6831
35°	6217	6418	6753
40°	6028	6254	6660
45°	5806	6065	6530
50°	5590	5832	6358
55°	5340	5579	6122
60°	5047	5267	5815
65°	4695	4846	5430
70°	4250	4411	4973
75°	3710	3851	4345
80°	3002	3054	3423
85°	1785	1995	1680



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	243.2	3.6
10°-20°	695.0	10.2
20°-30°	1039.7	15.3
30°-40°	1228.4	18.1
40°-50°	1239.5	18.3
50°-60°	1076.4	15.9
60°-70°	771.9	11.4
70°-80°	402.1	5.9
80°-90°	84.9	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°	1977.9	29.2
0°-40°	3206.3	47.3
0°-60°	5522.2	81.4
0°-90°	6781.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6781.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2569	2569	2569	2569	2569	
5°	2558	2555	2558	2558	2562	243
15°	2443	2446	2463	2480	2487	688
25°	2205	2219	2253	2297	2317	1016
35°	1893	1906	1954	2025	2056	1183
45°	1526	1543	1594	1675	1716	1178
55°	1138	1148	1189	1267	1305	1017
65°	737	734	761	819	853	729
75°	357	353	370	398	418	381
85°	58	65	65	58	54	83
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2568.7	2568.7	2568.7	2568.7	2568.7
2.5°	2568.7	2565.3	2565.3	2565.3	2568.7
5°	2558.5	2555.1	2558.5	2558.5	2561.9
7.5°	2541.5	2538.2	2544.9	2548.3	2551.7
10°	2517.8	2517.8	2528.0	2534.8	2538.2
12.5°	2487.2	2487.2	2500.8	2511.0	2517.8
15°	2443.0	2446.4	2463.4	2480.4	2487.2
17.5°	2392.0	2402.2	2422.6	2446.4	2453.2
20°	2341.1	2347.9	2371.7	2402.2	2415.8
22.5°	2276.5	2286.7	2313.9	2354.7	2368.3
25°	2205.2	2218.8	2252.7	2296.9	2317.3
27.5°	2133.8	2144.0	2184.8	2235.7	2259.5
30°	2055.7	2069.3	2113.4	2171.2	2198.4
32.5°	1977.5	1987.7	2038.7	2099.8	2130.4
35°	1892.6	1906.2	1953.7	2025.1	2055.7
37.5°	1804.2	1821.2	1868.8	1943.5	1977.5
40°	1715.9	1726.1	1780.4	1855.2	1896.0
42.5°	1624.1	1637.7	1688.7	1770.3	1811.0
45°	1525.6	1542.6	1593.6	1675.1	1715.9
47.5°	1430.5	1447.5	1495.0	1576.6	1614.0
50°	1335.3	1345.5	1393.1	1474.6	1518.8
52.5°	1236.8	1247.0	1291.2	1369.3	1410.1
55°	1138.3	1148.5	1189.2	1267.4	1304.8
57.5°	1036.3	1043.1	1083.9	1155.2	1192.6
60°	937.8	941.2	978.6	1043.1	1080.5
62.5°	832.5	835.9	863.0	937.8	971.8
65°	737.3	733.9	761.1	818.9	852.8
67.5°	638.8	638.8	662.6	713.5	740.7
70°	540.2	540.2	560.6	604.8	632.0
72.5°	448.5	448.5	465.5	499.5	519.9
75°	356.8	353.4	370.4	397.5	417.9
77.5°	271.8	271.8	278.6	302.4	316.0
80°	193.7	193.7	197.1	210.7	220.9
82.5°	122.3	122.3	122.3	129.1	132.5
85°	57.8	64.6	64.6	57.8	54.4
87.5°	27.2	27.2	23.8	23.8	23.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)