

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: P383973

Luminaire Tested: **22ID-55-L850-CFR2**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P383973
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-55-L850-CFR2
Description: 2X2 IN DEPTH TROFFER WITH 2INCH RECESSED COFFER LENS

Light Source: -
Ballast/Driver: -

Summary

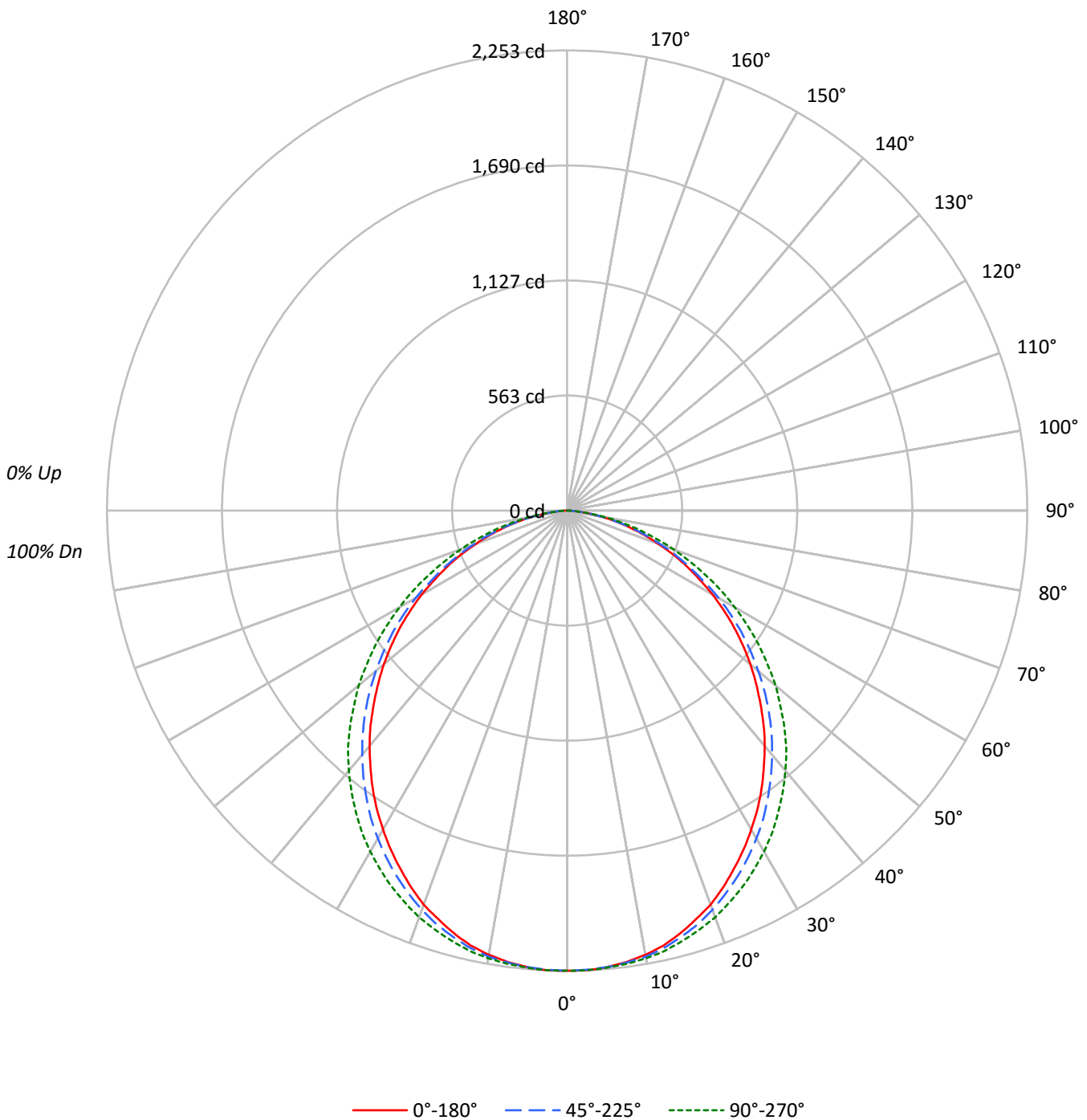
Lumens per Lamp: N/A
Luminaire Lumens: 5946.9 lumens
Efficiency: N/A
Efficacy: 128.4 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.27 / 1.33
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 46.3
Input Voltage (V): NR
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	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°	6062	6062	6062
5°	6061	6061	6069
10°	6034	6058	6082
15°	5969	6019	6077
20°	5879	5956	6067
25°	5742	5866	6034
30°	5602	5759	5991
35°	5453	5629	5922
40°	5286	5485	5841
45°	5092	5318	5727
50°	4903	5115	5576
55°	4683	4893	5369
60°	4426	4619	5100
65°	4117	4250	4762
70°	3728	3869	4361
75°	3253	3377	3811
80°	2633	2678	3002
85°	1565	1748	1473



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	213.3	3.6
10°-20°	609.5	10.2
20°-30°	911.8	15.3
30°-40°	1077.3	18.1
40°-50°	1087.0	18.3
50°-60°	944.0	15.9
60°-70°	676.9	11.4
70°-80°	352.6	5.9
80°-90°	74.4	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°	1734.6	29.2
0°-40°	2811.9	47.3
0°-60°	4842.9	81.4
0°-90°	5946.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5946.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2253	2253	2253	2253	2253	
5°	2244	2241	2244	2244	2247	213
15°	2142	2146	2160	2175	2181	604
25°	1934	1946	1976	2014	2032	891
35°	1660	1672	1713	1776	1803	1038
45°	1338	1353	1398	1469	1505	1033
55°	998	1007	1043	1112	1144	892
65°	647	644	668	718	748	639
75°	313	310	325	349	366	334
85°	51	57	57	51	48	73
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2252.8	2252.8	2252.8	2252.8	2252.8
2.5°	2252.8	2249.8	2249.8	2249.8	2252.8
5°	2243.8	2240.8	2243.8	2243.8	2246.8
7.5°	2228.9	2225.9	2231.9	2234.9	2237.9
10°	2208.1	2208.1	2217.0	2223.0	2225.9
12.5°	2181.2	2181.2	2193.2	2202.1	2208.1
15°	2142.5	2145.5	2160.4	2175.3	2181.2
17.5°	2097.8	2106.8	2124.6	2145.5	2151.4
20°	2053.1	2059.1	2079.9	2106.8	2118.7
22.5°	1996.5	2005.4	2029.3	2065.0	2077.0
25°	1933.9	1945.8	1975.6	2014.4	2032.3
27.5°	1871.3	1880.3	1916.0	1960.7	1981.6
30°	1802.8	1814.7	1853.5	1904.1	1928.0
32.5°	1734.3	1743.2	1787.9	1841.5	1868.4
35°	1659.8	1671.7	1713.4	1776.0	1802.8
37.5°	1582.3	1597.2	1638.9	1704.5	1734.3
40°	1504.8	1513.8	1561.4	1627.0	1662.8
42.5°	1424.4	1436.3	1481.0	1552.5	1588.3
45°	1338.0	1352.9	1397.5	1469.1	1504.8
47.5°	1254.5	1269.4	1311.1	1382.6	1415.4
50°	1171.1	1180.0	1221.7	1293.3	1332.0
52.5°	1084.7	1093.6	1132.3	1200.9	1236.6
55°	998.2	1007.2	1042.9	1111.5	1144.3
57.5°	908.9	914.8	950.6	1013.1	1045.9
60°	822.4	825.4	858.2	914.8	947.6
62.5°	730.1	733.0	756.9	822.4	852.2
65°	646.6	643.6	667.5	718.1	747.9
67.5°	560.2	560.2	581.1	625.8	649.6
70°	473.8	473.8	491.7	530.4	554.3
72.5°	393.3	393.3	408.2	438.0	455.9
75°	312.9	309.9	324.8	348.6	366.5
77.5°	238.4	238.4	244.3	265.2	277.1
80°	169.9	169.9	172.8	184.8	193.7
82.5°	107.3	107.3	107.3	113.2	116.2
85°	50.7	56.6	56.6	50.7	47.7
87.5°	23.8	23.8	20.9	20.9	20.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)