

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: P383921

Luminaire Tested: **14ID-60-L850-CFR2**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P383921
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: 14ID-60-L850-CFR2
Description: 1X4 IN DEPTH TROFFER WITH 2INCH RECESSED COFFER LENS

Light Source: -
Ballast/Driver: -

Summary

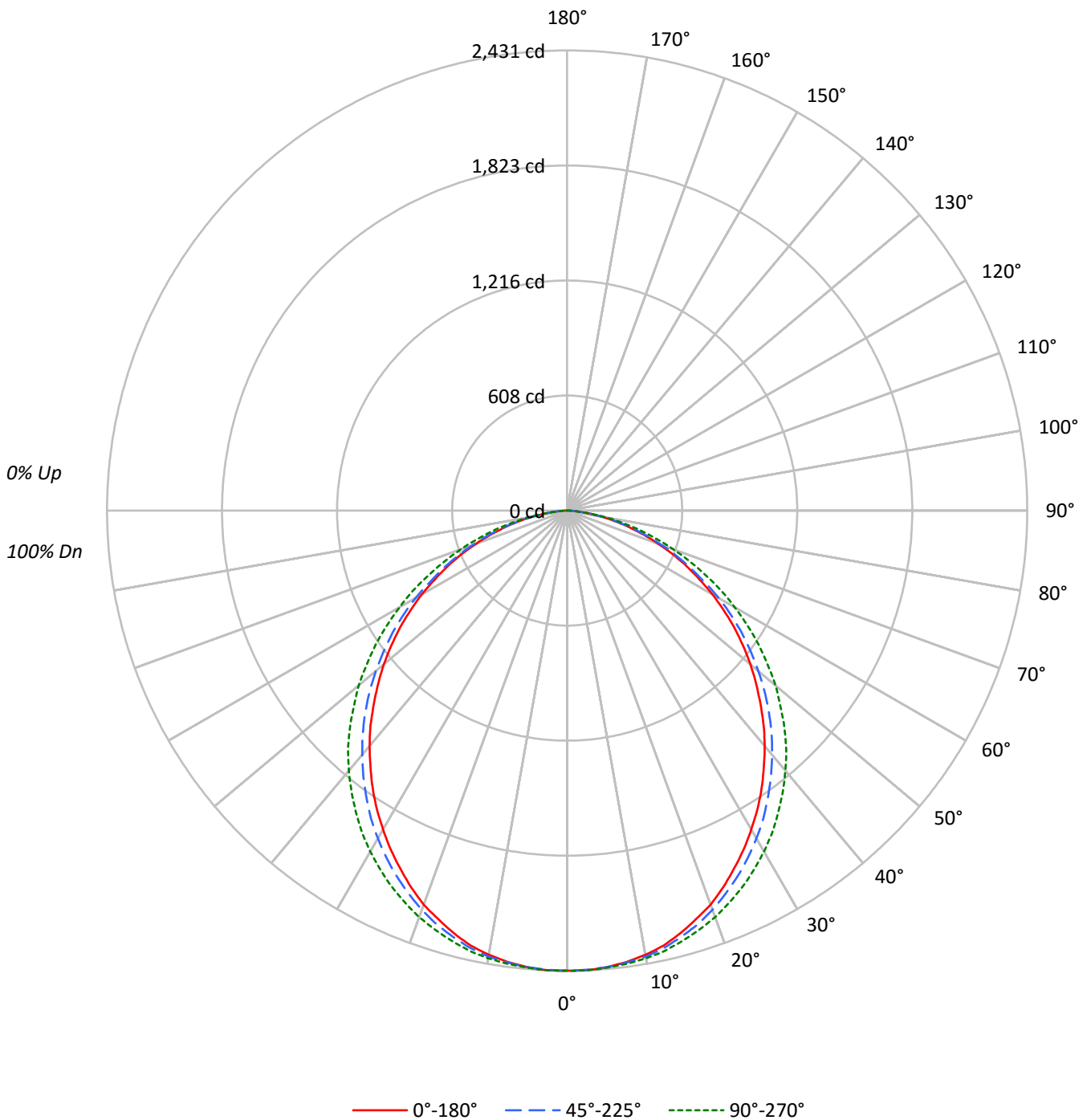
Lumens per Lamp: N/A
Luminaire Lumens: 6416.7 lumens
Efficiency: N/A
Efficacy: 120.4 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.27 / 1.33
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 53.3
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°	6541	6541	6541
5°	6540	6540	6549
10°	6510	6536	6563
15°	6440	6494	6557
20°	6344	6427	6546
25°	6196	6329	6511
30°	6044	6214	6464
35°	5883	6073	6390
40°	5704	5918	6302
45°	5494	5739	6179
50°	5290	5519	6017
55°	5053	5279	5793
60°	4776	4984	5503
65°	4443	4586	5138
70°	4022	4174	4705
75°	3510	3644	4112
80°	2841	2890	3239
85°	1689	1886	1587



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	230.1	3.6
10°-20°	657.7	10.2
20°-30°	983.8	15.3
30°-40°	1162.4	18.1
40°-50°	1172.9	18.3
50°-60°	1018.6	15.9
60°-70°	730.4	11.4
70°-80°	380.5	5.9
80°-90°	80.3	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°	1871.6	29.2
0°-40°	3034.0	47.3
0°-60°	5225.5	81.4
0°-90°	6416.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6416.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2431	2431	2431	2431	2431	
5°	2421	2418	2421	2421	2424	230
15°	2312	2315	2331	2347	2354	651
25°	2087	2100	2132	2174	2193	961
35°	1791	1804	1849	1916	1945	1120
45°	1444	1460	1508	1585	1624	1115
55°	1077	1087	1125	1199	1235	962
65°	698	694	720	775	807	690
75°	338	334	350	376	396	360
85°	55	61	61	55	51	78
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2430.7	2430.7	2430.7	2430.7	2430.7
2.5°	2430.7	2427.5	2427.5	2427.5	2430.7
5°	2421.1	2417.9	2421.1	2421.1	2424.3
7.5°	2405.0	2401.8	2408.2	2411.4	2414.7
10°	2382.5	2382.5	2392.1	2398.6	2401.8
12.5°	2353.6	2353.6	2366.4	2376.1	2382.5
15°	2311.8	2315.0	2331.1	2347.1	2353.6
17.5°	2263.5	2273.2	2292.5	2315.0	2321.4
20°	2215.3	2221.7	2244.2	2273.2	2286.0
22.5°	2154.2	2163.9	2189.6	2228.2	2241.0
25°	2086.7	2099.6	2131.7	2173.5	2192.8
27.5°	2019.2	2028.8	2067.4	2115.6	2138.1
30°	1945.2	1958.1	1999.9	2054.5	2080.3
32.5°	1871.3	1880.9	1929.2	1987.0	2016.0
35°	1790.9	1803.8	1848.8	1916.3	1945.2
37.5°	1707.3	1723.4	1768.4	1839.1	1871.3
40°	1623.7	1633.3	1684.8	1755.5	1794.1
42.5°	1536.9	1549.8	1598.0	1675.1	1713.7
45°	1443.6	1459.7	1508.0	1585.1	1623.7
47.5°	1353.6	1369.7	1414.7	1491.9	1527.2
50°	1263.6	1273.2	1318.3	1395.4	1437.2
52.5°	1170.4	1180.0	1221.8	1295.7	1334.3
55°	1077.1	1086.8	1125.3	1199.3	1234.7
57.5°	980.7	987.1	1025.7	1093.2	1128.6
60°	887.4	890.6	926.0	987.1	1022.5
62.5°	787.7	791.0	816.7	887.4	919.6
65°	697.7	694.5	720.2	774.9	807.0
67.5°	604.5	604.5	627.0	675.2	700.9
70°	511.2	511.2	530.5	572.3	598.0
72.5°	424.4	424.4	440.5	472.6	491.9
75°	337.6	334.4	350.5	376.2	395.5
77.5°	257.2	257.2	263.7	286.2	299.0
80°	183.3	183.3	186.5	199.3	209.0
82.5°	115.7	115.7	115.7	122.2	125.4
85°	54.7	61.1	61.1	54.7	51.4
87.5°	25.7	25.7	22.5	22.5	22.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)