

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: P383926

Luminaire Tested: **14ID-70-L830-CFR2**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P383926
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-70-L830-CFR2
Description: 1X4 IN DEPTH TROFFER WITH 2INCH RECESSED COFFER LENS

Light Source: -
Ballast/Driver: -

Summary

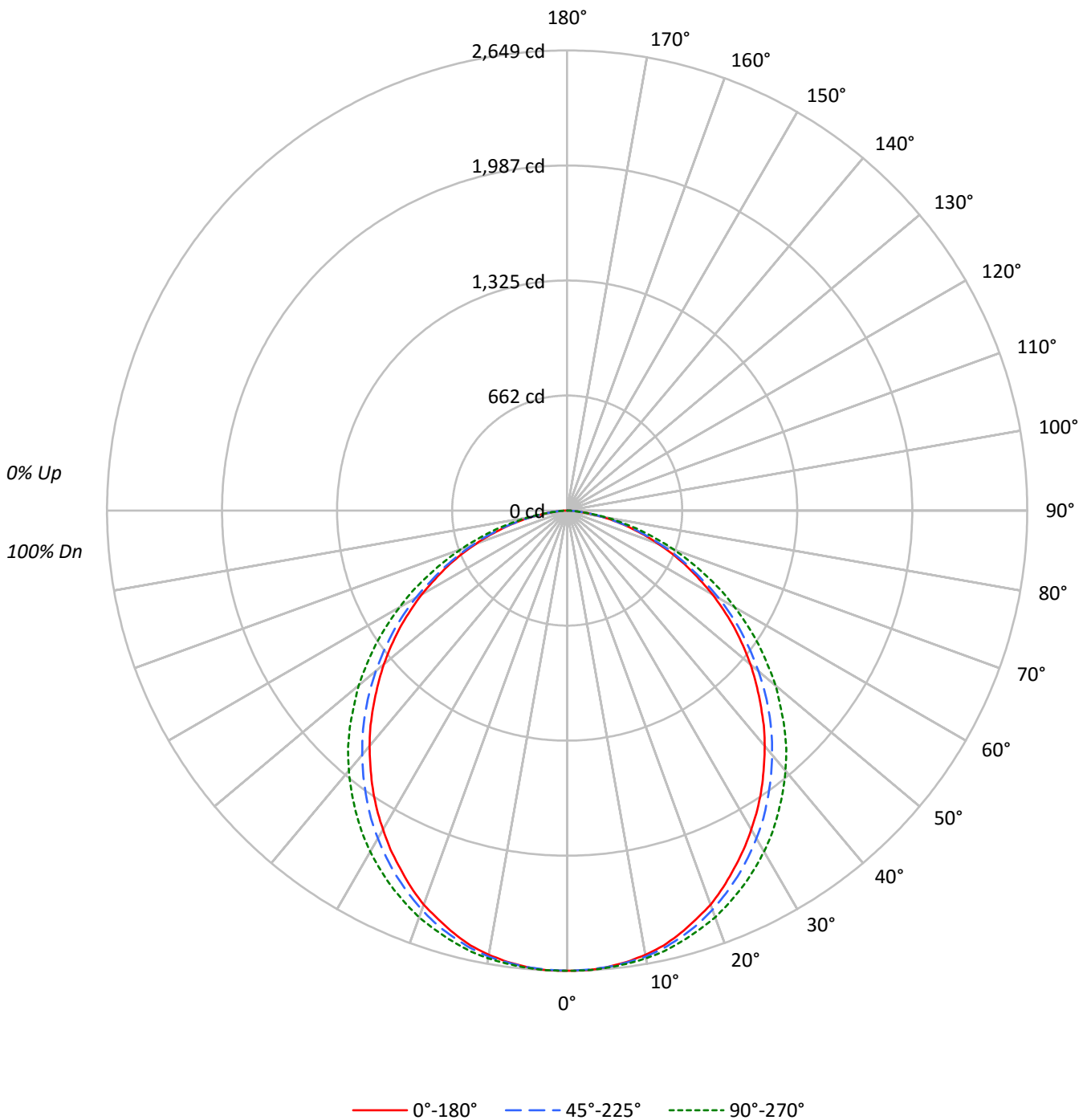
Lumens per Lamp: N/A
Luminaire Lumens: 6993.0 lumens
Efficiency: N/A
Efficacy: 106.6 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.27 / 1.33
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 65.6
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°	7128	7128	7128
5°	7127	7127	7137
10°	7095	7124	7152
15°	7019	7077	7146
20°	6914	7004	7135
25°	6752	6898	7095
30°	6587	6772	7045
35°	6411	6619	6964
40°	6216	6450	6868
45°	5987	6254	6734
50°	5765	6014	6557
55°	5507	5754	6313
60°	5205	5431	5997
65°	4842	4998	5600
70°	4383	4549	5128
75°	3825	3971	4481
80°	3095	3149	3530
85°	1840	2056	1732



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	250.8	3.6
10°-20°	716.8	10.2
20°-30°	1072.2	15.3
30°-40°	1266.8	18.1
40°-50°	1278.2	18.3
50°-60°	1110.1	15.9
60°-70°	796.0	11.4
70°-80°	414.7	5.9
80°-90°	87.5	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°	2039.7	29.2
0°-40°	3306.5	47.3
0°-60°	5694.8	81.4
0°-90°	6993.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6993.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2649	2649	2649	2649	2649	
5°	2638	2635	2638	2638	2642	251
15°	2519	2523	2540	2558	2565	710
25°	2274	2288	2323	2369	2390	1048
35°	1952	1966	2015	2088	2120	1220
45°	1573	1591	1643	1728	1770	1215
55°	1174	1184	1226	1307	1346	1048
65°	760	757	785	844	880	752
75°	368	364	382	410	431	392
85°	60	67	67	60	56	85
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2649.0	2649.0	2649.0	2649.0	2649.0
2.5°	2649.0	2645.5	2645.5	2645.5	2649.0
5°	2638.5	2635.0	2638.5	2638.5	2642.0
7.5°	2621.0	2617.5	2624.5	2628.0	2631.5
10°	2596.5	2596.5	2607.0	2614.0	2617.5
12.5°	2564.9	2564.9	2579.0	2589.5	2596.5
15°	2519.4	2522.9	2540.4	2557.9	2564.9
17.5°	2466.8	2477.3	2498.4	2522.9	2529.9
20°	2414.3	2421.3	2445.8	2477.3	2491.4
22.5°	2347.7	2358.2	2386.2	2428.3	2442.3
25°	2274.1	2288.1	2323.2	2368.7	2389.7
27.5°	2200.5	2211.0	2253.1	2305.6	2330.2
30°	2119.9	2133.9	2179.5	2239.1	2267.1
32.5°	2039.3	2049.9	2102.4	2165.5	2197.0
35°	1951.7	1965.8	2014.8	2088.4	2119.9
37.5°	1860.6	1878.2	1927.2	2004.3	2039.3
40°	1769.5	1780.0	1836.1	1913.2	1955.2
42.5°	1674.9	1688.9	1741.5	1825.6	1867.6
45°	1573.3	1590.8	1643.4	1727.5	1769.5
47.5°	1475.2	1492.7	1541.8	1625.9	1664.4
50°	1377.1	1387.6	1436.6	1520.7	1566.3
52.5°	1275.5	1286.0	1331.5	1412.1	1454.2
55°	1173.8	1184.4	1226.4	1307.0	1345.5
57.5°	1068.7	1075.7	1117.8	1191.4	1229.9
60°	967.1	970.6	1009.2	1075.7	1114.3
62.5°	858.5	862.0	890.0	967.1	1002.2
65°	760.4	756.9	784.9	844.5	879.5
67.5°	658.8	658.8	683.3	735.8	763.9
70°	557.1	557.1	578.2	623.7	651.7
72.5°	462.5	462.5	480.1	515.1	536.1
75°	367.9	364.4	381.9	410.0	431.0
77.5°	280.3	280.3	287.3	311.9	325.9
80°	199.7	199.7	203.2	217.2	227.8
82.5°	126.1	126.1	126.1	133.2	136.7
85°	59.6	66.6	66.6	59.6	56.1
87.5°	28.0	28.0	24.5	24.5	24.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)