

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: P383922

Luminaire Tested: **14ID-65-L830-CFR2**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P383922
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-65-L830-CFR2
Description: 1X4 IN DEPTH TROFFER WITH 2INCH RECESSED COFFER LENS

Light Source: -
Ballast/Driver: -

Summary

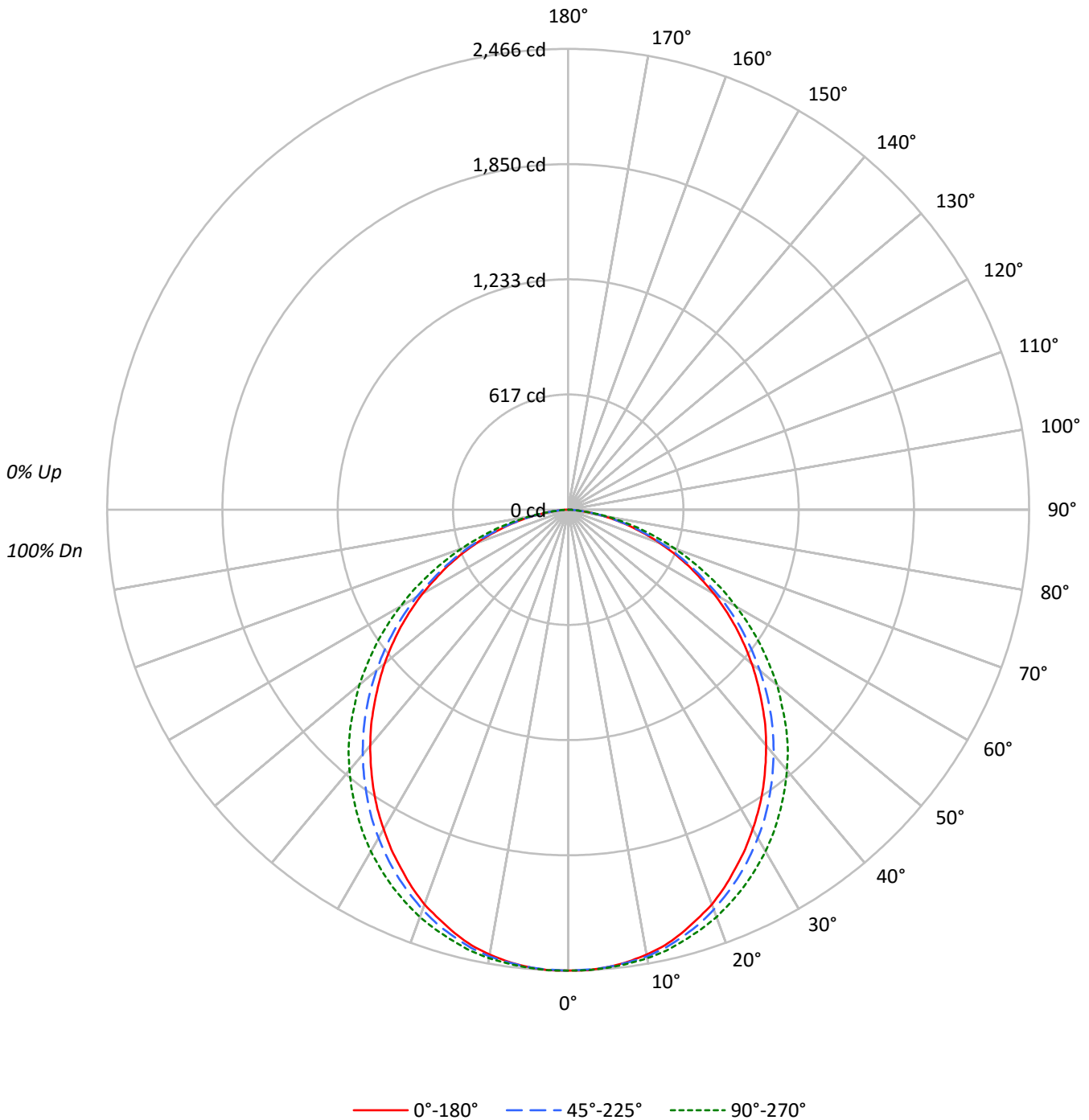
Lumens per Lamp: N/A
Luminaire Lumens: 6511.2 lumens
Efficiency: N/A
Efficacy: 111.5 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.27 / 1.33
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 58.4
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°	6637	6637	6637
5°	6636	6636	6645
10°	6606	6633	6660
15°	6535	6590	6653
20°	6437	6521	6643
25°	6287	6423	6607
30°	6133	6306	6559
35°	5970	6163	6484
40°	5788	6006	6395
45°	5575	5823	6270
50°	5368	5600	6105
55°	5128	5357	5878
60°	4846	5057	5584
65°	4508	4653	5214
70°	4082	4235	4774
75°	3562	3697	4172
80°	2882	2932	3287
85°	1714	1914	1612



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	233.5	3.6
10°-20°	667.4	10.2
20°-30°	998.3	15.3
30°-40°	1179.5	18.1
40°-50°	1190.2	18.3
50°-60°	1033.6	15.9
60°-70°	741.1	11.4
70°-80°	386.1	5.9
80°-90°	81.5	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°	1899.2	29.2
0°-40°	3078.7	47.3
0°-60°	5302.4	81.4
0°-90°	6511.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6511.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2466	2466	2466	2466	2466	
5°	2457	2454	2457	2457	2460	233
15°	2346	2349	2365	2382	2388	661
25°	2117	2130	2163	2206	2225	976
35°	1817	1830	1876	1944	1974	1136
45°	1465	1481	1530	1608	1648	1131
55°	1093	1103	1142	1217	1253	976
65°	708	705	731	786	819	700
75°	343	339	356	382	401	365
85°	56	62	62	56	52	79
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2466.5	2466.5	2466.5	2466.5	2466.5
2.5°	2466.5	2463.3	2463.3	2463.3	2466.5
5°	2456.7	2453.5	2456.7	2456.7	2460.0
7.5°	2440.4	2437.2	2443.7	2447.0	2450.2
10°	2417.6	2417.6	2427.4	2433.9	2437.2
12.5°	2388.2	2388.2	2401.3	2411.1	2417.6
15°	2345.8	2349.1	2365.4	2381.7	2388.2
17.5°	2296.9	2306.7	2326.2	2349.1	2355.6
20°	2247.9	2254.5	2277.3	2306.7	2319.7
22.5°	2185.9	2195.7	2221.8	2261.0	2274.0
25°	2117.4	2130.5	2163.1	2205.5	2225.1
27.5°	2048.9	2058.7	2097.9	2146.8	2169.6
30°	1973.9	1986.9	2029.3	2084.8	2110.9
32.5°	1898.8	1908.6	1957.6	2016.3	2045.7
35°	1817.3	1830.3	1876.0	1944.5	1973.9
37.5°	1732.4	1748.8	1794.4	1866.2	1898.8
40°	1647.6	1657.4	1709.6	1781.4	1820.5
42.5°	1559.5	1572.6	1621.5	1699.8	1739.0
45°	1464.9	1481.2	1530.2	1608.5	1647.6
47.5°	1373.6	1389.9	1435.5	1513.8	1549.7
50°	1282.2	1292.0	1337.7	1416.0	1458.4
52.5°	1187.6	1197.4	1239.8	1314.8	1354.0
55°	1093.0	1102.8	1141.9	1217.0	1252.8
57.5°	995.1	1001.6	1040.8	1109.3	1145.2
60°	900.5	903.7	939.6	1001.6	1037.5
62.5°	799.3	802.6	828.7	900.5	933.1
65°	708.0	704.7	730.8	786.3	818.9
67.5°	613.4	613.4	636.2	685.1	711.2
70°	518.8	518.8	538.3	580.7	606.8
72.5°	430.7	430.7	447.0	479.6	499.2
75°	342.6	339.3	355.6	381.7	401.3
77.5°	261.0	261.0	267.5	290.4	303.4
80°	186.0	186.0	189.2	202.3	212.1
82.5°	117.5	117.5	117.5	124.0	127.2
85°	55.5	62.0	62.0	55.5	52.2
87.5°	26.1	26.1	22.8	22.8	22.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)