

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: P385278

Luminaire Tested: **14ID-80-L830-CNV**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P385278
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1911-572-73)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 2/25/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14ID-80-L830-CNV
Description: 1X4 IN DEPTH TROFFER WITH CONVEX LENS

Light Source: -
Ballast/Driver: -

Summary

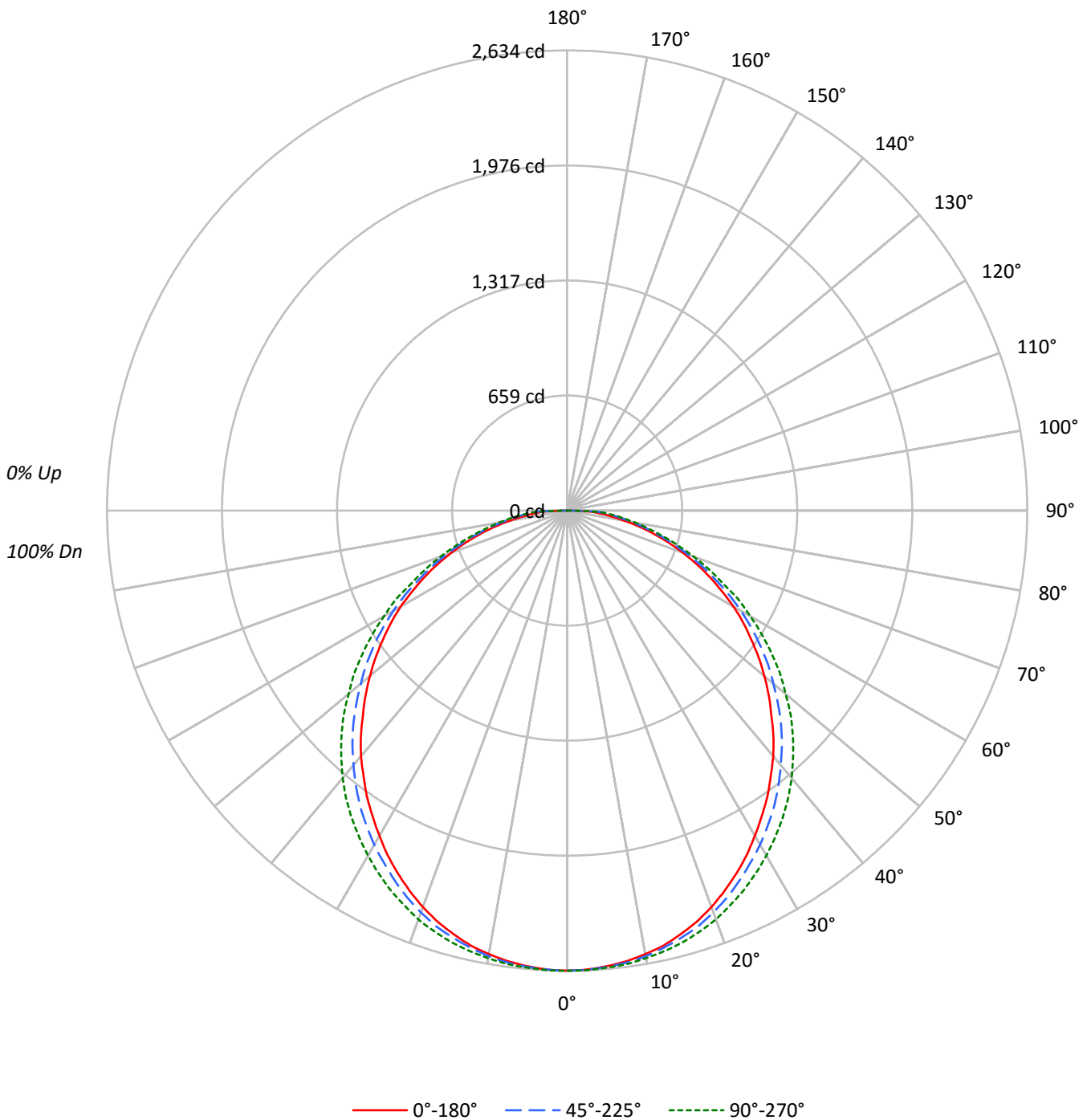
Lumens per Lamp: N/A
Luminaire Lumens: 7639.1 lumens
Efficiency: N/A
Efficacy: 99.1 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.28 / 1.37
Luminous Opening: Rectangular w/ Sides (W: 1' x L: 4' x H: 0.17')
CIE Type: Direct

Input Watts (W): 77.1
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	108	103	99	94	105	101	97	93	96	93	90		93	90	87		89	87	85	82
2	98	90	82	77	95	88	81	76	84	79	74		81	76	72		78	74	70	68
3	89	78	70	63	87	77	69	63	74	67	62		71	65	61		68	64	60	57
4	82	69	60	54	79	68	60	53	66	58	52		63	57	52		61	56	51	49
5	75	62	53	46	73	61	52	46	59	51	45		57	50	45		55	49	44	42
6	69	56	47	40	67	55	46	40	53	45	40		51	44	39		50	44	39	37
7	64	51	42	35	63	50	41	35	48	41	35		47	40	35		45	39	35	33
8	60	46	38	32	58	45	37	32	44	37	31		43	36	31		42	36	31	29
9	56	42	34	28	54	42	34	28	41	33	28		40	33	28		38	32	28	26
10	52	39	31	26	51	39	31	26	38	30	26		37	30	25		36	30	25	24

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	7087	7087	7087
5°	7046	6992	6991
10°	6994	6898	6907
15°	6917	6782	6822
20°	6813	6651	6725
25°	6676	6490	6600
30°	6521	6325	6463
35°	6378	6151	6322
40°	6229	5949	6158
45°	6038	5745	5961
50°	5878	5489	5702
55°	5699	5235	5419
60°	5524	4923	5060
65°	5271	4536	4603
70°	4964	4116	4159
75°	4611	3651	3642
80°	4133	3153	3133
85°	3905	2743	2660



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	249.2	3.3
10°-20°	714.2	9.3
20°-30°	1077.7	14.1
30°-40°	1293.6	16.9
40°-50°	1338.8	17.5
50°-60°	1212.8	15.9
60°-70°	934.4	12.2
70°-80°	578.2	7.6
80°-90°	240.2	3.1
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°	2041.1	26.7
0°-40°	3334.7	43.7
0°-60°	5886.3	77.1
0°-90°	7639.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7639.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2634	2634	2634	2634	2634	
5°	2618	2618	2622	2622	2626	249
15°	2511	2515	2530	2546	2558	708
25°	2292	2300	2336	2376	2396	1056
35°	1998	2014	2066	2121	2149	1249
45°	1653	1676	1732	1796	1827	1278
55°	1287	1307	1351	1410	1430	1152
65°	902	910	938	977	981	892
75°	512	524	544	568	568	543
85°	187	207	238	254	250	202
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2633.8	2633.8	2633.8	2633.8	2633.8
2.5°	2629.8	2629.8	2629.8	2629.8	2633.8
5°	2617.9	2617.9	2621.9	2621.9	2625.9
7.5°	2602.0	2602.0	2610.0	2610.0	2617.9
10°	2578.2	2582.2	2590.1	2594.1	2602.0
12.5°	2550.4	2550.4	2562.3	2574.2	2582.2
15°	2510.7	2514.6	2530.5	2546.4	2558.3
17.5°	2467.0	2470.9	2494.8	2510.7	2526.5
20°	2415.3	2419.3	2447.1	2470.9	2490.8
22.5°	2355.7	2363.7	2395.5	2427.2	2443.1
25°	2292.2	2300.1	2335.9	2375.6	2395.5
27.5°	2224.6	2236.6	2272.3	2316.0	2339.8
30°	2149.2	2165.0	2208.7	2256.4	2280.2
32.5°	2073.7	2089.6	2137.2	2192.9	2216.7
35°	1998.2	2014.1	2065.7	2121.3	2149.2
37.5°	1914.8	1930.7	1986.3	2045.9	2077.6
40°	1835.3	1851.2	1902.9	1970.4	1998.2
42.5°	1747.9	1763.8	1819.4	1883.0	1914.8
45°	1652.6	1676.4	1732.0	1795.6	1827.4
47.5°	1565.2	1585.1	1636.7	1704.2	1736.0
50°	1473.8	1493.7	1541.4	1608.9	1632.7
52.5°	1382.5	1402.3	1450.0	1513.5	1537.4
55°	1287.1	1307.0	1350.7	1410.3	1430.1
57.5°	1195.7	1211.6	1251.4	1307.0	1322.9
60°	1100.4	1116.3	1148.1	1199.7	1211.6
62.5°	997.1	1009.0	1044.8	1092.5	1108.3
65°	901.8	909.7	937.5	977.2	981.2
67.5°	802.5	810.4	838.2	866.0	877.9
70°	703.1	715.1	734.9	762.7	770.7
72.5°	607.8	619.7	639.6	663.4	667.4
75°	512.5	524.4	544.2	568.1	568.1
77.5°	421.1	433.0	456.8	476.7	476.7
80°	329.7	349.6	373.4	393.3	393.3
82.5°	254.2	270.1	301.9	317.8	317.8
85°	186.7	206.6	238.4	254.2	250.3
87.5°	135.1	154.9	182.7	194.7	190.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)