

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: P385106

Luminaire Tested: **14ID-75-L830-CNC**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P385106
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1911-572-72)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 2/25/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14ID-75-L830-CNC
Description: 1X4 IN DEPTH TROFFER WITH CONCAVE LENS

Light Source: -
Ballast/Driver: -

Summary

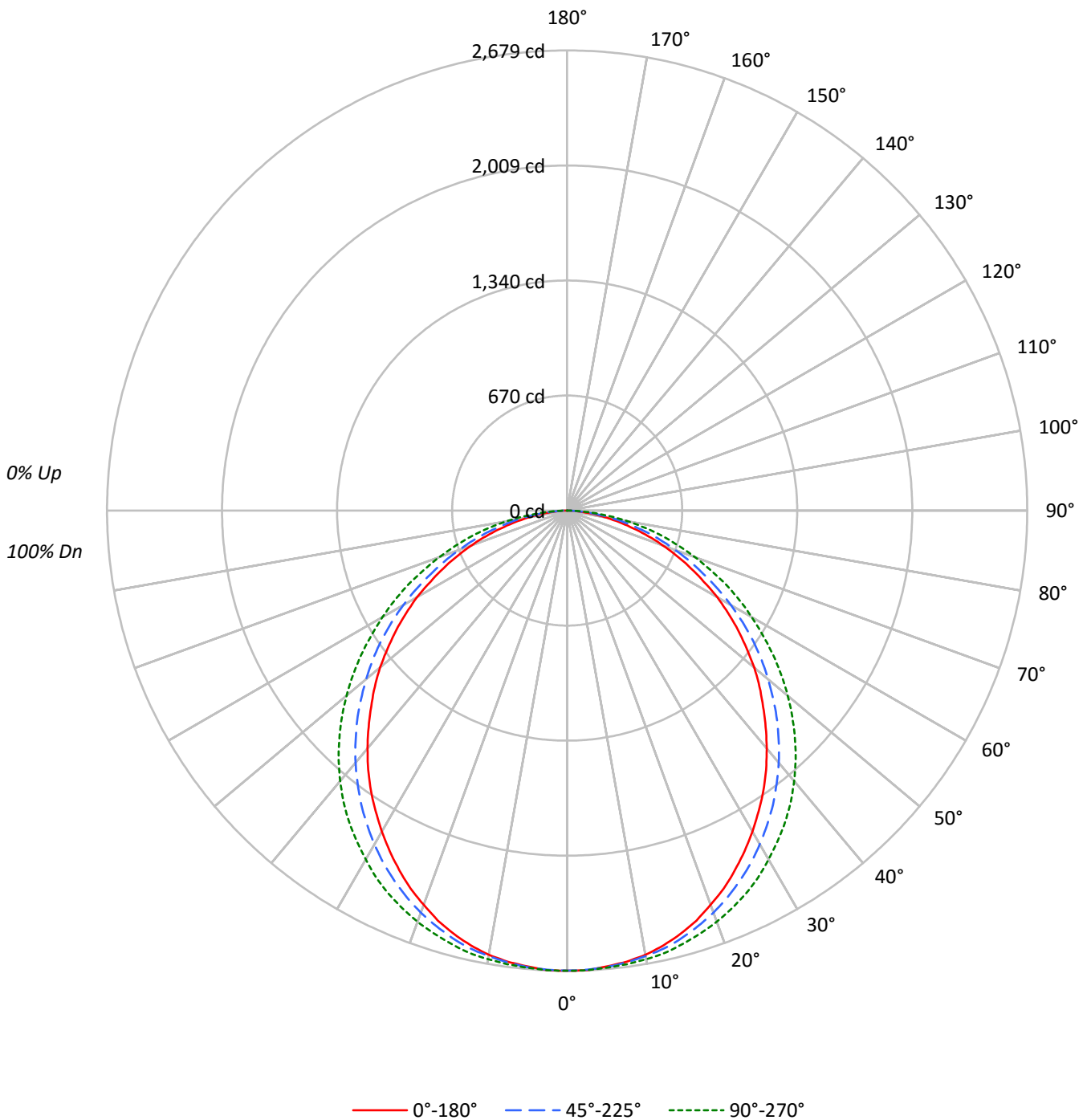
Lumens per Lamp: N/A
Luminaire Lumens: 7437.5 lumens
Efficiency: N/A
Efficacy: 104.9 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.3 / 1.36
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 70.9
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	104	100	96	106	102	98	94	98	94	91		94	91	89		90	88	86	84
2	99	91	84	78	96	89	83	77	85	80	75		82	78	74		79	75	72	70
3	90	80	72	65	88	78	71	65	75	69	63		72	67	62		70	65	61	59
4	83	71	62	55	80	69	61	55	67	60	54		65	58	53		62	57	53	50
5	76	63	54	48	74	62	54	47	60	52	47		58	51	46		56	50	46	44
6	70	57	48	42	68	56	48	41	54	47	41		52	46	41		51	45	40	38
7	65	52	43	37	63	51	42	37	49	42	36		48	41	36		46	40	36	34
8	61	47	39	33	59	46	38	33	45	38	32		44	37	32		43	37	32	30
9	57	43	35	29	55	43	35	29	42	34	29		40	34	29		39	33	29	27
10	53	40	32	27	52	39	32	27	38	31	27		37	31	26		37	31	26	25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	7208	7208	7208
5°	7195	7206	7216
10°	7176	7197	7248
15°	7107	7180	7275
20°	6994	7134	7295
25°	6862	7062	7307
30°	6703	6971	7286
35°	6545	6865	7272
40°	6352	6734	7222
45°	6139	6582	7139
50°	5953	6392	7021
55°	5703	6196	6865
60°	5431	5936	6683
65°	5065	5590	6498
70°	4664	5254	6228
75°	4135	4876	5968
80°	3488	4361	5523
85°	2547	3359	4403



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	253.6	3.4
10°-20°	727.4	9.8
20°-30°	1097.1	14.8
30°-40°	1309.8	17.6
40°-50°	1338.7	18.0
50°-60°	1187.0	16.0
60°-70°	884.9	11.9
70°-80°	505.5	6.8
80°-90°	133.4	1.8
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°	2078.2	27.9
0°-40°	3388.0	45.6
0°-60°	5913.7	79.5
0°-90°	7437.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7437.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2679	2679	2679	2679	2679	
5°	2664	2664	2668	2668	2671	253
15°	2551	2559	2577	2600	2611	719
25°	2311	2330	2379	2431	2461	1064
35°	1992	2018	2090	2172	2214	1245
45°	1613	1647	1730	1823	1876	1246
55°	1216	1238	1321	1414	1463	1086
65°	795	814	878	968	1020	788
75°	398	416	469	540	574	424
85°	82	86	109	135	143	103
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2678.7	2678.7	2678.7	2678.7	2678.7
2.5°	2678.7	2675.0	2675.0	2675.0	2678.7
5°	2663.7	2663.7	2667.5	2667.5	2671.2
7.5°	2648.7	2648.7	2652.5	2656.2	2663.7
10°	2626.2	2626.2	2633.7	2645.0	2652.5
12.5°	2592.4	2596.2	2611.2	2626.2	2637.5
15°	2551.2	2558.7	2577.4	2599.9	2611.2
17.5°	2502.4	2509.9	2536.2	2566.2	2581.2
20°	2442.4	2457.4	2491.1	2528.7	2547.4
22.5°	2382.3	2397.3	2438.6	2483.6	2506.1
25°	2311.1	2329.8	2378.6	2431.1	2461.1
27.5°	2236.0	2258.5	2314.8	2374.8	2408.6
30°	2157.2	2183.5	2243.5	2311.1	2344.8
32.5°	2074.7	2101.0	2168.5	2243.5	2281.0
35°	1992.2	2018.4	2089.7	2172.2	2213.5
37.5°	1902.1	1928.4	2003.4	2093.5	2138.5
40°	1808.3	1838.3	1917.1	2007.2	2055.9
42.5°	1710.8	1744.5	1823.3	1920.9	1969.7
45°	1613.2	1647.0	1729.5	1823.3	1875.9
47.5°	1519.4	1545.7	1628.2	1725.8	1778.3
50°	1421.9	1444.4	1526.9	1624.5	1677.0
52.5°	1316.9	1346.9	1425.7	1523.2	1572.0
55°	1215.6	1238.1	1320.6	1414.4	1463.2
57.5°	1110.5	1133.0	1211.8	1305.6	1350.6
60°	1009.2	1031.7	1103.0	1196.8	1241.8
62.5°	896.7	919.2	990.5	1088.0	1133.0
65°	795.4	814.1	877.9	967.9	1020.5
67.5°	694.1	712.8	772.9	859.1	900.4
70°	592.8	607.8	667.8	746.6	791.6
72.5°	495.2	510.2	570.3	641.5	679.1
75°	397.7	416.4	469.0	540.2	574.0
77.5°	307.6	326.4	371.4	435.2	465.2
80°	225.1	240.1	281.4	330.2	356.4
82.5°	150.1	161.3	191.3	232.6	251.4
85°	82.5	86.3	108.8	135.1	142.6
87.5°	33.8	33.8	41.3	45.0	48.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)