

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: P385234

Luminaire Tested: **14ID-25-L830-CNV**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P385234
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-25-L830-CNV
Description: 1X4 IN DEPTH TROFFER WITH CONVEX LENS

Light Source: -
Ballast/Driver: -

Summary

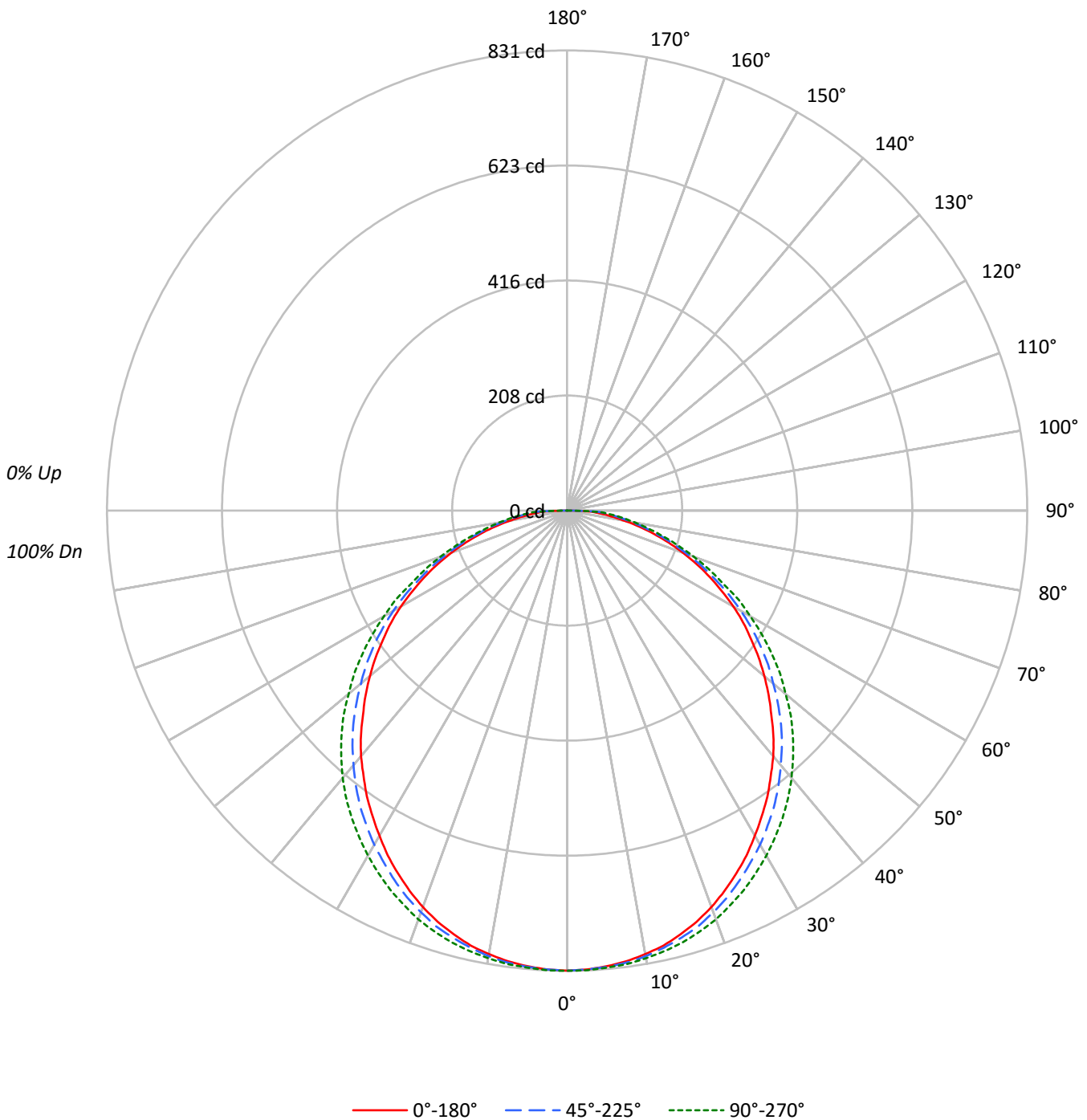
Lumens per Lamp: N/A
Luminaire Lumens: 2409.9 lumens
Efficiency: N/A
Efficacy: 118.1 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.28 / 1.37
Luminous Opening: Rectangular w/ Sides (W: 1' x L: 4' x H: 0.17')
CIE Type: Direct

Input Watts (W): 20.4
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	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°	2236	2236	2236
5°	2223	2206	2206
10°	2206	2176	2179
15°	2182	2140	2152
20°	2150	2098	2122
25°	2106	2047	2082
30°	2057	1995	2039
35°	2012	1941	1995
40°	1965	1877	1943
45°	1905	1812	1881
50°	1854	1731	1799
55°	1798	1652	1710
60°	1742	1553	1596
65°	1663	1431	1452
70°	1566	1298	1312
75°	1455	1152	1149
80°	1304	995	989
85°	1232	865	840



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	78.6	3.3
10°-20°	225.3	9.3
20°-30°	340.0	14.1
30°-40°	408.1	16.9
40°-50°	422.3	17.5
50°-60°	382.6	15.9
60°-70°	294.8	12.2
70°-80°	182.4	7.6
80°-90°	75.8	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°	643.9	26.7
0°-40°	1052.0	43.7
0°-60°	1857.0	77.1
0°-90°	2409.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2409.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	831	831	831	831	831	
5°	826	826	827	827	828	78
15°	792	793	798	803	807	223
25°	723	726	737	749	756	333
35°	630	635	652	669	678	394
45°	521	529	546	566	576	403
55°	406	412	426	445	451	364
65°	284	287	296	308	310	281
75°	162	165	172	179	179	171
85°	59	65	75	80	79	64
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	830.9	830.9	830.9	830.9	830.9
2.5°	829.6	829.6	829.6	829.6	830.9
5°	825.9	825.9	827.1	827.1	828.4
7.5°	820.9	820.9	823.4	823.4	825.9
10°	813.3	814.6	817.1	818.4	820.9
12.5°	804.6	804.6	808.3	812.1	814.6
15°	792.0	793.3	798.3	803.3	807.1
17.5°	778.2	779.5	787.0	792.0	797.0
20°	762.0	763.2	772.0	779.5	785.8
22.5°	743.2	745.7	755.7	765.7	770.7
25°	723.1	725.6	736.9	749.4	755.7
27.5°	701.8	705.6	716.8	730.6	738.1
30°	678.0	683.0	696.8	711.8	719.3
32.5°	654.2	659.2	674.2	691.8	699.3
35°	630.4	635.4	651.7	669.2	678.0
37.5°	604.1	609.1	626.6	645.4	655.4
40°	579.0	584.0	600.3	621.6	630.4
42.5°	551.4	556.4	574.0	594.0	604.1
45°	521.3	528.9	546.4	566.5	576.5
47.5°	493.8	500.0	516.3	537.6	547.7
50°	464.9	471.2	486.2	507.6	515.1
52.5°	436.1	442.4	457.4	477.5	485.0
55°	406.0	412.3	426.1	444.9	451.2
57.5°	377.2	382.2	394.8	412.3	417.3
60°	347.1	352.2	362.2	378.5	382.2
62.5°	314.6	318.3	329.6	344.6	349.6
65°	284.5	287.0	295.8	308.3	309.5
67.5°	253.2	255.7	264.4	273.2	277.0
70°	221.8	225.6	231.8	240.6	243.1
72.5°	191.7	195.5	201.8	209.3	210.5
75°	161.7	165.4	171.7	179.2	179.2
77.5°	132.8	136.6	144.1	150.4	150.4
80°	104.0	110.3	117.8	124.1	124.1
82.5°	80.2	85.2	95.2	100.3	100.3
85°	58.9	65.2	75.2	80.2	79.0
87.5°	42.6	48.9	57.6	61.4	60.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)