

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: P385339

Luminaire Tested: **22ID-85-L835-CNV**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P385339
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: 22ID-85-L835-CNV
Description: 2X2 IN DEPTH TROFFER WITH CONVEX LENS

Light Source: -
Ballast/Driver: -

Summary

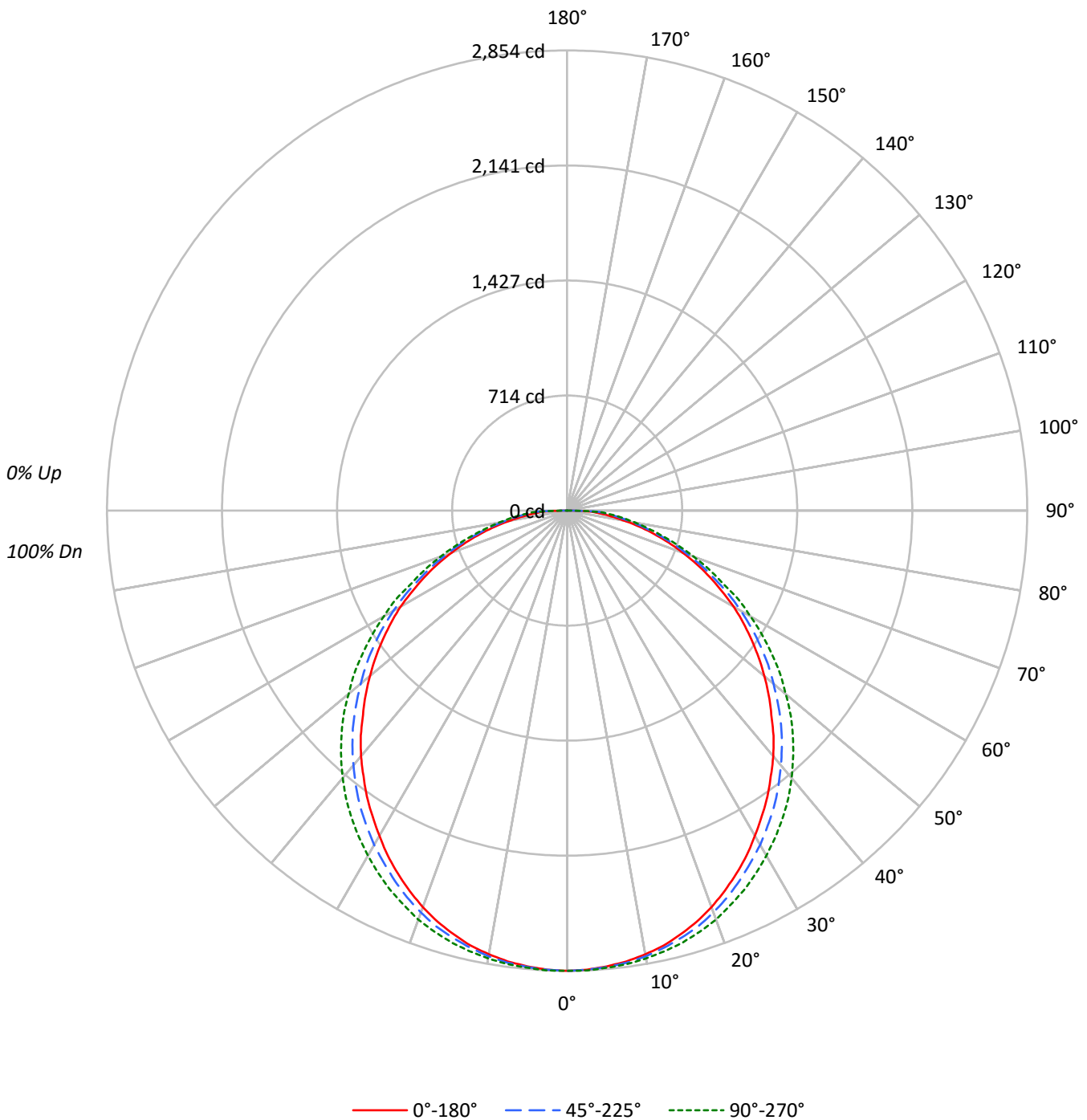
Lumens per Lamp: N/A
Luminaire Lumens: 8279.0 lumens
Efficiency: N/A
Efficacy: 107.8 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.28 / 1.37
Luminous Opening: Rectangular w/ Sides (W: 2' x L: 2' x H: 0.17')
CIE Type: Direct

Input Watts (W): 76.8
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°	7681	7681	7681
5°	7609	7597	7632
10°	7525	7514	7594
15°	7415	7406	7555
20°	7275	7282	7503
25°	7100	7125	7420
30°	6905	6964	7327
35°	6722	6794	7230
40°	6531	6593	7110
45°	6292	6390	6957
50°	6083	6132	6739
55°	5848	5878	6498
60°	5609	5561	6176
65°	5279	5165	5744
70°	4878	4734	5347
75°	4405	4259	4883
80°	3760	3759	4485
85°	3201	3398	4289



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	270.1	3.3
10°-20°	774.0	9.3
20°-30°	1168.0	14.1
30°-40°	1402.0	16.9
40°-50°	1450.9	17.5
50°-60°	1314.4	15.9
60°-70°	1012.7	12.2
70°-80°	626.6	7.6
80°-90°	260.3	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°	2212.1	26.7
0°-40°	3614.1	43.7
0°-60°	6379.4	77.1
0°-90°	8279.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8279.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2854	2854	2854	2854	2854	
5°	2837	2837	2842	2842	2846	270
15°	2721	2725	2742	2760	2773	767
25°	2484	2493	2532	2575	2596	1144
35°	2166	2183	2239	2299	2329	1354
45°	1791	1817	1877	1946	1980	1385
55°	1395	1416	1464	1528	1550	1249
65°	977	986	1016	1059	1063	966
75°	555	568	590	616	616	588
85°	202	224	258	276	271	219
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2854.4	2854.4	2854.4	2854.4	2854.4
2.5°	2850.1	2850.1	2850.1	2850.1	2854.4
5°	2837.2	2837.2	2841.5	2841.5	2845.8
7.5°	2820.0	2820.0	2828.6	2828.6	2837.2
10°	2794.2	2798.5	2807.1	2811.4	2820.0
12.5°	2764.0	2764.0	2776.9	2789.9	2798.5
15°	2721.0	2725.3	2742.5	2759.7	2772.6
17.5°	2673.6	2677.9	2703.7	2721.0	2738.2
20°	2617.6	2621.9	2652.1	2677.9	2699.4
22.5°	2553.1	2561.7	2596.1	2630.6	2647.8
25°	2484.2	2492.8	2531.5	2574.6	2596.1
27.5°	2411.0	2423.9	2462.6	2510.0	2535.8
30°	2329.2	2346.4	2393.8	2445.4	2471.3
32.5°	2247.4	2264.6	2316.3	2376.5	2402.4
35°	2165.6	2182.8	2238.8	2299.0	2329.2
37.5°	2075.2	2092.4	2152.7	2217.2	2251.7
40°	1989.1	2006.3	2062.3	2135.4	2165.6
42.5°	1894.3	1911.6	1971.8	2040.7	2075.2
45°	1791.0	1816.8	1877.1	1946.0	1980.5
47.5°	1696.3	1717.8	1773.8	1847.0	1881.4
50°	1597.3	1618.8	1670.5	1743.7	1769.5
52.5°	1498.3	1519.8	1571.4	1640.3	1666.2
55°	1394.9	1416.5	1463.8	1528.4	1549.9
57.5°	1295.9	1313.1	1356.2	1416.5	1433.7
60°	1192.6	1209.8	1244.2	1300.2	1313.1
62.5°	1080.6	1093.6	1132.3	1184.0	1201.2
65°	977.3	985.9	1016.1	1059.1	1063.4
67.5°	869.7	878.3	908.4	938.6	951.5
70°	762.0	775.0	796.5	826.6	835.2
72.5°	658.7	671.6	693.2	719.0	723.3
75°	555.4	568.3	589.8	615.7	615.7
77.5°	456.4	469.3	495.1	516.6	516.6
80°	357.3	378.9	404.7	426.2	426.2
82.5°	275.5	292.8	327.2	344.4	344.4
85°	202.4	223.9	258.3	275.5	271.2
87.5°	146.4	167.9	198.0	211.0	206.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)