

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: P385340

Luminaire Tested: **22ID-85-L840-CNV**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P385340
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-L840-CNV
Description: 2X2 IN DEPTH TROFFER WITH CONVEX LENS

Light Source: -
Ballast/Driver: -

Summary

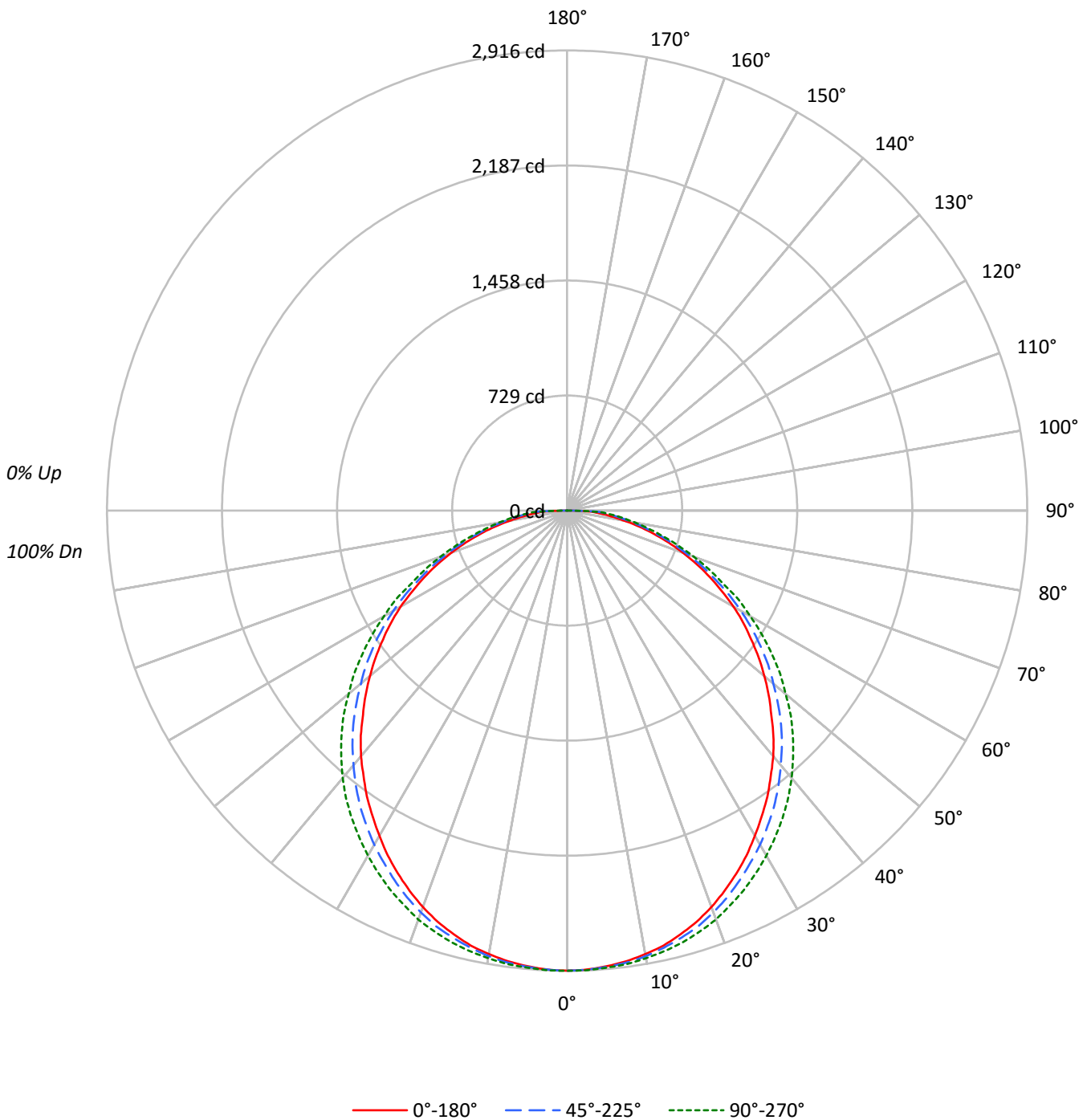
Lumens per Lamp: N/A
Luminaire Lumens: 8457.0 lumens
Efficiency: N/A
Efficacy: 108.3 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.28 / 1.37
Luminous Opening: Rectangular w/ Sides (W: 2' x L: 2' x H: 0.17')
CIE Type: Direct

Input Watts (W): 78.1
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	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°	7846	7846	7846
5°	7772	7761	7796
10°	7686	7676	7757
15°	7574	7566	7718
20°	7432	7439	7664
25°	7253	7278	7579
30°	7054	7114	7484
35°	6866	6940	7385
40°	6671	6734	7263
45°	6427	6528	7107
50°	6213	6264	6883
55°	5974	6005	6638
60°	5729	5681	6309
65°	5393	5275	5868
70°	4983	4836	5462
75°	4499	4351	4988
80°	3841	3840	4582
85°	3269	3472	4382



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	275.9	3.3
10°-20°	790.6	9.3
20°-30°	1193.1	14.1
30°-40°	1432.1	16.9
40°-50°	1482.1	17.5
50°-60°	1342.7	15.9
60°-70°	1034.5	12.2
70°-80°	640.1	7.6
80°-90°	265.9	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°	2259.7	26.7
0°-40°	3691.8	43.7
0°-60°	6516.6	77.1
0°-90°	8457.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8457.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2916	2916	2916	2916	2916	
5°	2898	2898	2903	2903	2907	275
15°	2780	2784	2802	2819	2832	784
25°	2538	2546	2586	2630	2652	1169
35°	2212	2230	2287	2348	2379	1383
45°	1830	1856	1918	1988	2023	1415
55°	1425	1447	1495	1561	1583	1276
65°	998	1007	1038	1082	1086	987
75°	567	580	602	629	629	601
85°	207	229	264	282	277	223
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2915.8	2915.8	2915.8	2915.8	2915.8
2.5°	2911.4	2911.4	2911.4	2911.4	2915.8
5°	2898.2	2898.2	2902.6	2902.6	2907.0
7.5°	2880.6	2880.6	2889.4	2889.4	2898.2
10°	2854.2	2858.6	2867.4	2871.8	2880.6
12.5°	2823.4	2823.4	2836.6	2849.8	2858.6
15°	2779.5	2783.9	2801.5	2819.0	2832.2
17.5°	2731.1	2735.5	2761.9	2779.5	2797.1
20°	2673.9	2678.3	2709.1	2735.5	2757.5
22.5°	2607.9	2616.7	2651.9	2687.1	2704.7
25°	2537.6	2546.4	2586.0	2629.9	2651.9
27.5°	2462.8	2476.0	2515.6	2564.0	2590.4
30°	2379.3	2396.9	2445.2	2498.0	2524.4
32.5°	2295.7	2313.3	2366.1	2427.6	2454.0
35°	2212.1	2229.7	2286.9	2348.5	2379.3
37.5°	2119.8	2137.4	2198.9	2264.9	2300.1
40°	2031.8	2049.4	2106.6	2181.4	2212.1
42.5°	1935.1	1952.7	2014.2	2084.6	2119.8
45°	1829.5	1855.9	1917.5	1987.8	2023.0
47.5°	1732.8	1754.8	1811.9	1886.7	1921.9
50°	1631.6	1653.6	1706.4	1781.1	1807.5
52.5°	1530.5	1552.5	1605.2	1675.6	1702.0
55°	1424.9	1446.9	1495.3	1561.3	1583.2
57.5°	1323.8	1341.4	1385.3	1446.9	1464.5
60°	1218.2	1235.8	1271.0	1328.2	1341.4
62.5°	1103.9	1117.1	1156.6	1209.4	1227.0
65°	998.3	1007.1	1037.9	1081.9	1086.3
67.5°	888.4	897.2	928.0	958.7	971.9
70°	778.4	791.6	813.6	844.4	853.2
72.5°	672.9	686.1	708.1	734.4	738.8
75°	567.3	580.5	602.5	628.9	628.9
77.5°	466.2	479.4	505.8	527.7	527.7
80°	365.0	387.0	413.4	435.4	435.4
82.5°	281.5	299.1	334.2	351.8	351.8
85°	206.7	228.7	263.9	281.5	277.1
87.5°	149.5	171.5	202.3	215.5	211.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)