

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: P385160

Luminaire Tested: **22ID-70-L840-CNC**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P385160
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: 22ID-70-L840-CNC
Description: 2X2 IN DEPTH TROFFER WITH CONCAVE LENS

Light Source: -
Ballast/Driver: -

Summary

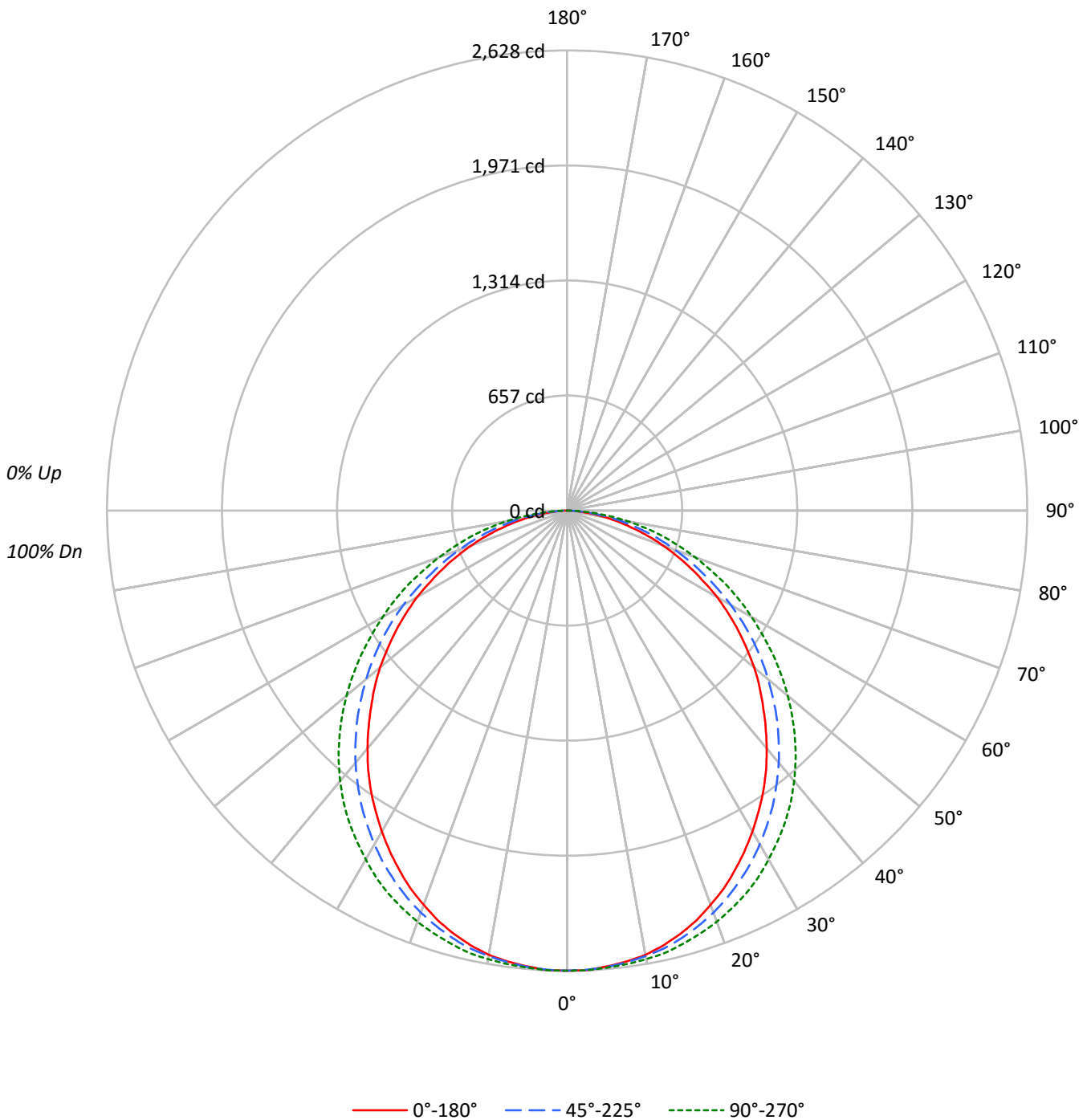
Lumens per Lamp: N/A
Luminaire Lumens: 7295.5 lumens
Efficiency: N/A
Efficacy: 118.0 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.3 / 1.36
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 61.8
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	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°	7071	7071	7071
5°	7058	7068	7078
10°	7039	7059	7109
15°	6972	7043	7136
20°	6861	6998	7156
25°	6731	6928	7168
30°	6575	6838	7147
35°	6419	6734	7133
40°	6231	6606	7084
45°	6022	6456	7002
50°	5839	6270	6887
55°	5594	6077	6733
60°	5328	5823	6556
65°	4968	5483	6374
70°	4575	5154	6109
75°	4056	4783	5855
80°	3422	4277	5418
85°	2501	3294	4316



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	248.7	3.4
10°-20°	713.6	9.8
20°-30°	1076.2	14.8
30°-40°	1284.8	17.6
40°-50°	1313.1	18.0
50°-60°	1164.4	16.0
60°-70°	868.0	11.9
70°-80°	495.9	6.8
80°-90°	130.8	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°	2038.5	27.9
0°-40°	3323.3	45.6
0°-60°	5800.8	79.5
0°-90°	7295.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7295.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2628	2628	2628	2628	2628	
5°	2613	2613	2616	2616	2620	248
15°	2502	2510	2528	2550	2561	705
25°	2267	2285	2333	2385	2414	1044
35°	1954	1980	2050	2131	2171	1221
45°	1582	1616	1696	1788	1840	1223
55°	1192	1214	1295	1387	1435	1065
65°	780	799	861	950	1001	773
75°	390	408	460	530	563	416
85°	81	85	107	132	140	101
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2627.6	2627.6	2627.6	2627.6	2627.6
2.5°	2627.6	2623.9	2623.9	2623.9	2627.6
5°	2612.9	2612.9	2616.5	2616.5	2620.2
7.5°	2598.1	2598.1	2601.8	2605.5	2612.9
10°	2576.1	2576.1	2583.4	2594.5	2601.8
12.5°	2542.9	2546.6	2561.3	2576.1	2587.1
15°	2502.5	2509.8	2528.2	2550.3	2561.3
17.5°	2454.6	2462.0	2487.7	2517.2	2531.9
20°	2395.7	2410.5	2443.6	2480.4	2498.8
22.5°	2336.9	2351.6	2392.1	2436.2	2458.3
25°	2266.9	2285.3	2333.2	2384.7	2414.1
27.5°	2193.3	2215.4	2270.6	2329.5	2362.6
30°	2116.1	2141.8	2200.7	2266.9	2300.1
32.5°	2035.1	2060.9	2127.1	2200.7	2237.5
35°	1954.1	1979.9	2049.8	2130.8	2171.3
37.5°	1865.8	1891.6	1965.2	2053.5	2097.7
40°	1773.8	1803.2	1880.5	1968.8	2016.7
42.5°	1678.1	1711.2	1788.5	1884.2	1932.0
45°	1582.4	1615.6	1696.5	1788.5	1840.0
47.5°	1490.4	1516.2	1597.2	1692.8	1744.4
50°	1394.8	1416.8	1497.8	1593.5	1645.0
52.5°	1291.7	1321.2	1398.4	1494.1	1542.0
55°	1192.3	1214.4	1295.4	1387.4	1435.2
57.5°	1089.3	1111.4	1188.7	1280.7	1324.8
60°	989.9	1012.0	1081.9	1173.9	1218.1
62.5°	879.5	901.6	971.5	1067.2	1111.4
65°	780.2	798.6	861.1	949.5	1001.0
67.5°	680.8	699.2	758.1	842.7	883.2
70°	581.5	596.2	655.1	732.3	776.5
72.5°	485.8	500.5	559.4	629.3	666.1
75°	390.1	408.5	460.0	529.9	563.1
77.5°	301.8	320.2	364.3	426.9	456.3
80°	220.8	235.5	276.0	323.8	349.6
82.5°	147.2	158.2	187.7	228.2	246.6
85°	81.0	84.6	106.7	132.5	139.8
87.5°	33.1	33.1	40.5	44.2	47.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)