

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: P385211

Luminaire Tested: **24ID-70-L835-CNC**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P385211
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: 24ID-70-L835-CNC
Description: 2X4 IN DEPTH TROFFER WITH CONCAVE LENS

Light Source: -
Ballast/Driver: -

Summary

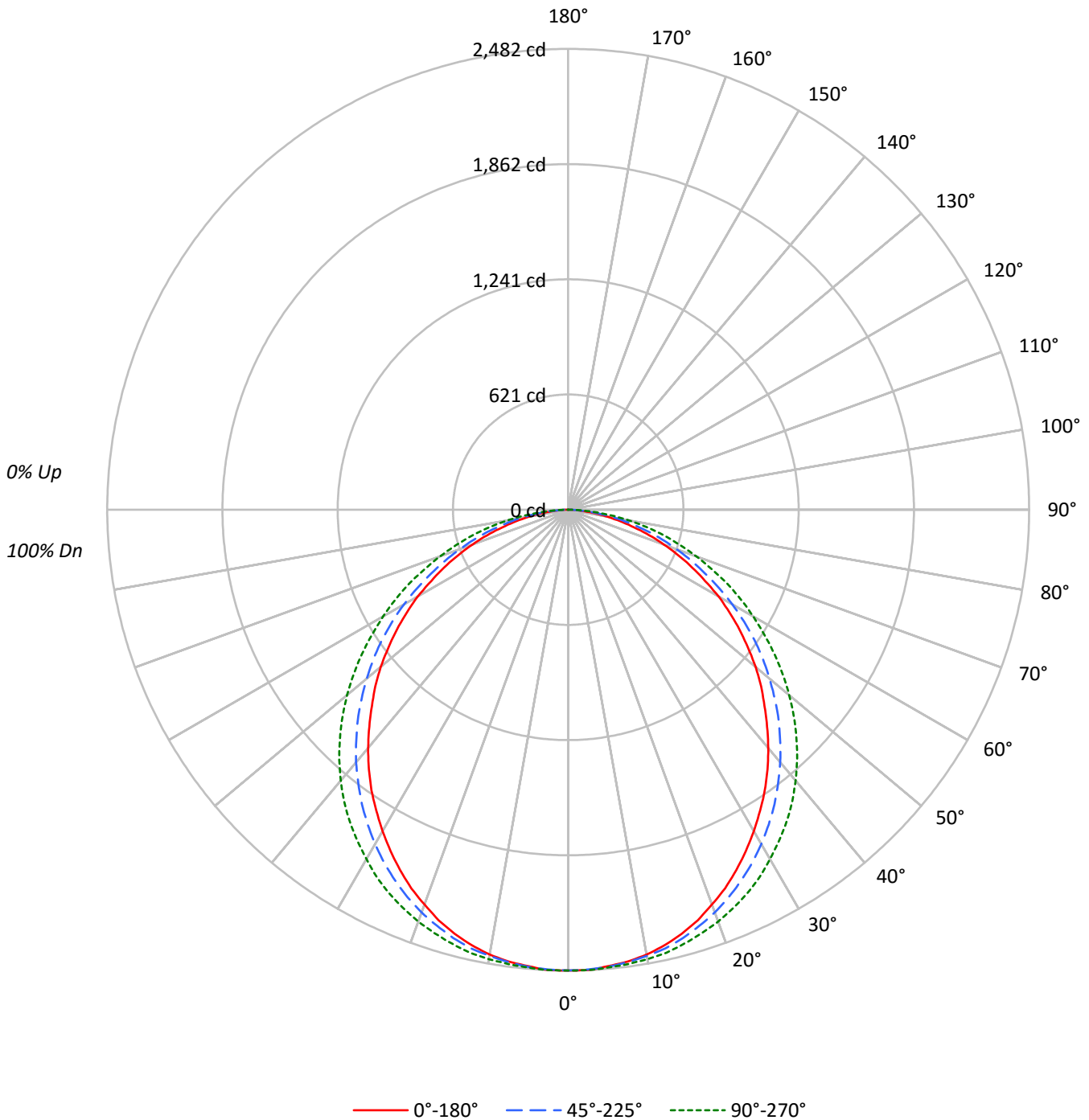
Lumens per Lamp: N/A
Luminaire Lumens: 6891.4 lumens
Efficiency: N/A
Efficacy: 105.1 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.3 / 1.36
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 65.6
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°	3340	3340	3340
5°	3333	3338	3343
10°	3325	3334	3358
15°	3293	3327	3370
20°	3240	3305	3380
25°	3179	3272	3385
30°	3105	3230	3376
35°	3032	3180	3369
40°	2943	3120	3346
45°	2844	3049	3307
50°	2758	2961	3253
55°	2642	2870	3180
60°	2516	2750	3096
65°	2346	2590	3010
70°	2161	2434	2886
75°	1916	2259	2765
80°	1616	2020	2559
85°	1181	1556	2039



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	235.0	3.4
10°-20°	674.0	9.8
20°-30°	1016.6	14.8
30°-40°	1213.7	17.6
40°-50°	1240.4	18.0
50°-60°	1099.9	16.0
60°-70°	819.9	11.9
70°-80°	468.4	6.8
80°-90°	123.5	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°	1925.6	27.9
0°-40°	3139.2	45.6
0°-60°	5479.5	79.5
0°-90°	6891.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6891.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2482	2482	2482	2482	2482	
5°	2468	2468	2472	2472	2475	235
15°	2364	2371	2388	2409	2420	666
25°	2141	2159	2204	2253	2280	986
35°	1846	1870	1936	2013	2051	1153
45°	1495	1526	1603	1690	1738	1155
55°	1126	1147	1224	1310	1356	1006
65°	737	754	813	897	946	730
75°	368	386	434	501	532	393
85°	76	80	101	125	132	95
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2482.0	2482.0	2482.0	2482.0	2482.0
2.5°	2482.0	2478.6	2478.6	2478.6	2482.0
5°	2468.1	2468.1	2471.6	2471.6	2475.1
7.5°	2454.2	2454.2	2457.7	2461.2	2468.1
10°	2433.4	2433.4	2440.3	2450.8	2457.7
12.5°	2402.1	2405.6	2419.5	2433.4	2443.8
15°	2363.8	2370.8	2388.2	2409.0	2419.5
17.5°	2318.7	2325.6	2349.9	2377.8	2391.7
20°	2263.0	2276.9	2308.2	2343.0	2360.4
22.5°	2207.4	2221.3	2259.6	2301.3	2322.1
25°	2141.4	2158.8	2203.9	2252.6	2280.4
27.5°	2071.8	2092.7	2144.8	2200.5	2231.8
30°	1998.8	2023.2	2078.8	2141.4	2172.7
32.5°	1922.4	1946.7	2009.3	2078.8	2113.6
35°	1845.9	1870.2	1936.3	2012.7	2051.0
37.5°	1762.5	1786.8	1856.3	1939.7	1981.5
40°	1675.6	1703.4	1776.4	1859.8	1905.0
42.5°	1585.2	1616.5	1689.5	1779.8	1825.0
45°	1494.8	1526.1	1602.6	1689.5	1738.1
47.5°	1407.9	1432.2	1508.7	1599.1	1647.7
50°	1317.5	1338.4	1414.8	1505.2	1553.9
52.5°	1220.2	1248.0	1321.0	1411.4	1456.5
55°	1126.3	1147.2	1223.6	1310.5	1355.7
57.5°	1029.0	1049.8	1122.8	1209.7	1251.4
60°	935.1	956.0	1022.0	1108.9	1150.6
62.5°	830.8	851.7	917.7	1008.1	1049.8
65°	737.0	754.3	813.4	896.9	945.5
67.5°	643.1	660.5	716.1	796.1	834.3
70°	549.2	563.2	618.8	691.8	733.5
72.5°	458.9	472.8	528.4	594.4	629.2
75°	368.5	385.9	434.5	500.6	531.9
77.5°	285.1	302.4	344.1	403.2	431.1
80°	208.6	222.5	260.7	305.9	330.2
82.5°	139.0	149.5	177.3	215.5	232.9
85°	76.5	80.0	100.8	125.1	132.1
87.5°	31.3	31.3	38.2	41.7	45.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)