

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: P384031

Luminaire Tested: **24ID-65-L835-CFR2**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P384031
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1911-572-66)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 2/25/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 24ID-65-L835-CFR2
Description: 2X4 IN DEPTH TROFFER WITH 2INCH RECESSED COFFER LENS

Light Source: -
Ballast/Driver: -

Summary

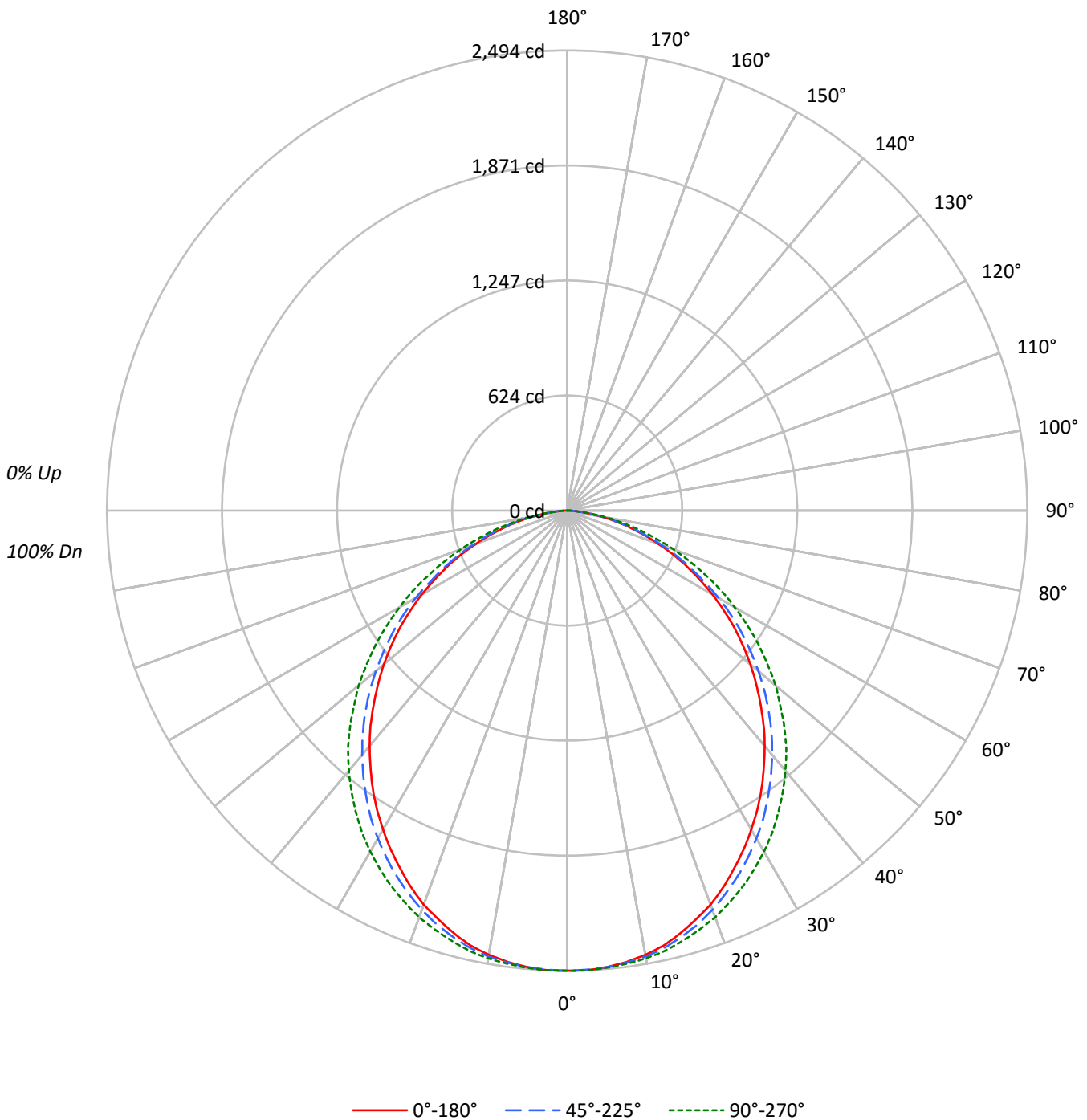
Lumens per Lamp: N/A
Luminaire Lumens: 6583.4 lumens
Efficiency: N/A
Efficacy: 108.8 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.27 / 1.33
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 60.5
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



TEST NUMBER: P384031
CATALOG NUMBER: 24ID-65-L835-CFR2

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	105	101	97	107	102	99	95	98	95	92	94	92	89	91	89	87	85
2	100	92	85	79	97	90	84	79	86	81	77	83	79	75	80	76	73	71
3	91	81	73	66	89	79	72	66	76	70	65	73	68	64	71	66	62	60
4	83	72	63	57	81	70	62	56	68	61	55	66	60	55	63	58	54	52
5	77	64	55	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45
6	71	58	49	43	69	57	49	43	55	48	42	53	47	42	52	46	41	39
7	66	53	44	38	64	52	44	38	50	43	37	49	42	37	47	41	37	35
8	61	48	40	34	60	47	39	34	46	39	33	45	38	33	44	38	33	31
9	57	44	36	30	56	43	36	30	42	35	30	41	35	30	40	34	30	28
10	54	41	33	28	53	40	33	28	39	32	27	38	32	27	37	31	27	25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3356	3356	3356
5°	3355	3355	3359
10°	3340	3353	3367
15°	3304	3331	3364
20°	3254	3297	3358
25°	3178	3247	3340
30°	3101	3188	3316
35°	3018	3116	3278
40°	2926	3036	3233
45°	2818	2944	3170
50°	2714	2831	3087
55°	2592	2708	2971
60°	2450	2556	2823
65°	2279	2352	2636
70°	2063	2141	2414
75°	1801	1869	2110
80°	1457	1482	1661
85°	866	968	815



TEST NUMBER: P384031

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	236.1	3.6
10°-20°	674.8	10.2
20°-30°	1009.4	15.3
30°-40°	1192.6	18.1
40°-50°	1203.4	18.3
50°-60°	1045.0	15.9
60°-70°	749.4	11.4
70°-80°	390.4	5.9
80°-90°	82.4	1.3
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°	1920.3	29.2
0°-40°	3112.8	47.3
0°-60°	5361.2	81.4
0°-90°	6583.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6583.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2494	2494	2494	2494	2494	
5°	2484	2481	2484	2484	2487	236
15°	2372	2375	2392	2408	2415	668
25°	2141	2154	2187	2230	2250	986
35°	1837	1851	1897	1966	1996	1149
45°	1481	1498	1547	1626	1666	1144
55°	1105	1115	1155	1230	1267	987
65°	716	712	739	795	828	708
75°	346	343	360	386	406	369
85°	56	63	63	56	53	80
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2493.9	2493.9	2493.9	2493.9	2493.9
2.5°	2493.9	2490.6	2490.6	2490.6	2493.9
5°	2484.0	2480.7	2484.0	2484.0	2487.3
7.5°	2467.5	2464.2	2470.8	2474.1	2477.4
10°	2444.4	2444.4	2454.3	2460.9	2464.2
12.5°	2414.7	2414.7	2427.9	2437.8	2444.4
15°	2371.8	2375.1	2391.6	2408.1	2414.7
17.5°	2322.3	2332.2	2352.0	2375.1	2381.7
20°	2272.9	2279.5	2302.5	2332.2	2345.4
22.5°	2210.2	2220.1	2246.5	2286.1	2299.3
25°	2140.9	2154.1	2187.1	2230.0	2249.8
27.5°	2071.6	2081.5	2121.1	2170.6	2193.7
30°	1995.8	2009.0	2051.8	2107.9	2134.3
32.5°	1919.9	1929.8	1979.3	2038.6	2068.3
35°	1837.4	1850.6	1896.8	1966.1	1995.8
37.5°	1751.7	1768.1	1814.3	1886.9	1919.9
40°	1665.9	1675.8	1728.6	1801.1	1840.7
42.5°	1576.8	1590.0	1639.5	1718.7	1758.3
45°	1481.2	1497.6	1547.1	1626.3	1665.9
47.5°	1388.8	1405.3	1451.5	1530.6	1566.9
50°	1296.4	1306.3	1352.5	1431.7	1474.6
52.5°	1200.8	1210.7	1253.5	1329.4	1369.0
55°	1105.1	1115.0	1154.6	1230.4	1266.7
57.5°	1006.1	1012.7	1052.3	1121.6	1157.9
60°	910.5	913.8	950.0	1012.7	1049.0
62.5°	808.2	811.5	837.9	910.5	943.5
65°	715.8	712.5	738.9	795.0	828.0
67.5°	620.2	620.2	643.3	692.7	719.1
70°	524.5	524.5	544.3	587.2	613.6
72.5°	435.4	435.4	451.9	484.9	504.7
75°	346.4	343.1	359.6	386.0	405.8
77.5°	263.9	263.9	270.5	293.6	306.8
80°	188.0	188.0	191.3	204.5	214.4
82.5°	118.8	118.8	118.8	125.4	128.7
85°	56.1	62.7	62.7	56.1	52.8
87.5°	26.4	26.4	23.1	23.1	23.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)