

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: P383863

Luminaire Tested: **24ID-65-L835-CFR1**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P383863
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1911-572-65)
Test Lab: INNOVATION CENTER (G2)
Issue Date: 2/25/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 24ID-65-L835-CFR1
Description: 2X4 IN DEPTH TROFFER WITH 1INCH RECESSED COFFER LENS

Light Source: -
Ballast/Driver: -

Summary

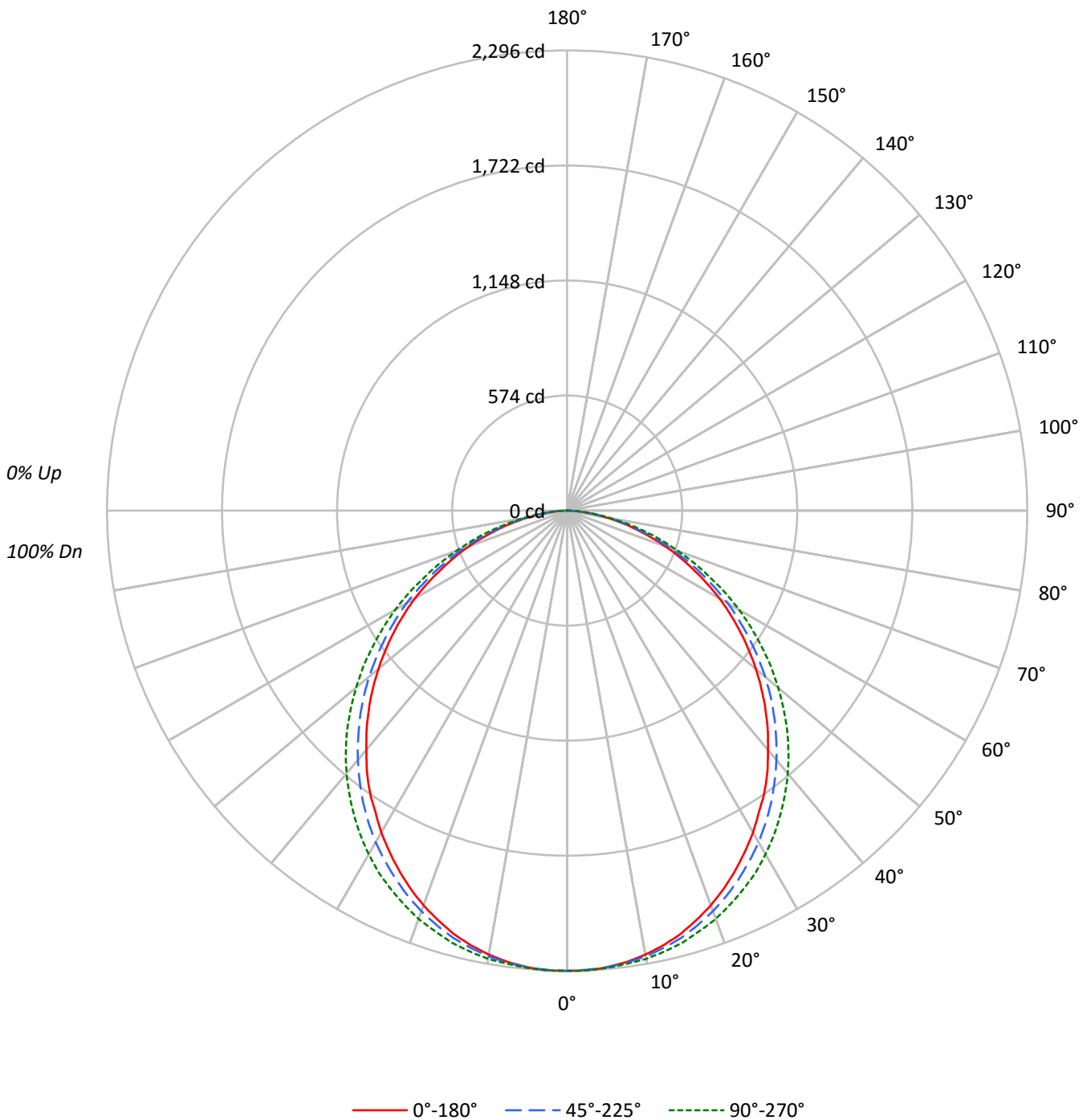
Lumens per Lamp: N/A
Luminaire Lumens: 6236.9 lumens
Efficiency: N/A
Efficacy: 103.1 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.28 / 1.35
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 60.5
Input Voltage (V): NR
Input Current (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	95	98	95	92	94	91	89	90	88	86	84
2	99	91	84	79	97	89	83	78	86	81	76	82	78	74	79	76	73	71
3	91	80	72	66	88	79	71	65	76	69	64	73	67	63	70	66	62	60
4	83	71	62	56	81	70	62	55	67	60	55	65	59	54	63	58	53	51
5	76	64	55	48	74	63	54	48	60	53	47	58	52	47	57	51	46	44
6	71	57	48	42	69	56	48	42	55	47	42	53	46	41	51	45	41	39
7	65	52	43	37	64	51	43	37	50	42	37	48	42	37	47	41	36	34
8	61	47	39	33	59	47	39	33	45	38	33	44	38	33	43	37	32	31
9	57	44	35	30	56	43	35	30	42	35	30	41	34	30	40	34	29	28
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27	25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3090	3090	3090
5°	3089	3089	3093
10°	3073	3086	3103
15°	3046	3072	3107
20°	3001	3046	3104
25°	2944	3009	3093
30°	2881	2968	3076
35°	2819	2917	3045
40°	2739	2854	3009
45°	2662	2782	2955
50°	2574	2699	2876
55°	2473	2598	2782
60°	2364	2491	2668
65°	2207	2337	2497
70°	2049	2160	2308
75°	1827	1925	2088
80°	1531	1605	1750
85°	1162	1162	1308



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	217.4	3.5
10°-20°	621.9	10.0
20°-30°	935.1	15.0
30°-40°	1112.4	17.8
40°-50°	1131.9	18.1
50°-60°	996.2	16.0
60°-70°	730.7	11.7
70°-80°	396.6	6.4
80°-90°	94.6	1.5
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°	1774.4	28.4
0°-40°	2886.8	46.3
0°-60°	5014.9	80.4
0°-90°	6236.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6236.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2296	2296	2296	2296	2296	
5°	2287	2284	2287	2287	2290	217
15°	2187	2190	2206	2218	2231	616
25°	1983	1995	2027	2061	2083	913
35°	1716	1729	1776	1829	1854	1072
45°	1399	1412	1462	1525	1553	1079
55°	1054	1070	1108	1161	1186	943
65°	693	706	734	766	784	689
75°	351	358	370	389	402	373
85°	75	75	75	82	85	91
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2296.5	2296.5	2296.5	2296.5	2296.5
2.5°	2296.5	2293.3	2293.3	2293.3	2296.5
5°	2287.1	2283.9	2287.1	2287.1	2290.2
7.5°	2271.4	2268.2	2274.5	2277.7	2280.8
10°	2249.4	2249.4	2258.8	2265.1	2271.4
12.5°	2221.2	2224.3	2233.7	2243.1	2252.6
15°	2186.7	2189.8	2205.5	2218.0	2230.6
17.5°	2142.8	2149.0	2167.9	2186.7	2199.2
20°	2095.7	2105.1	2127.1	2152.2	2167.9
22.5°	2042.4	2054.9	2080.0	2111.4	2127.1
25°	1982.8	1995.3	2026.7	2061.2	2083.1
27.5°	1920.0	1935.7	1970.2	2011.0	2036.1
30°	1854.1	1869.8	1910.6	1954.5	1979.6
32.5°	1782.0	1800.8	1844.7	1894.9	1920.0
35°	1716.1	1728.6	1775.7	1829.0	1854.1
37.5°	1640.8	1656.5	1700.4	1756.9	1785.1
40°	1559.2	1574.9	1625.1	1681.6	1712.9
42.5°	1480.8	1493.3	1543.5	1606.3	1634.5
45°	1399.2	1411.8	1462.0	1524.7	1552.9
47.5°	1314.5	1330.2	1377.3	1436.9	1465.1
50°	1229.8	1242.4	1289.4	1345.9	1374.1
52.5°	1142.0	1154.5	1198.4	1254.9	1283.1
55°	1054.1	1069.8	1107.5	1160.8	1185.9
57.5°	966.3	982.0	1016.5	1066.7	1088.6
60°	878.4	891.0	925.5	969.4	991.4
62.5°	784.3	793.7	828.2	872.2	891.0
65°	693.3	705.9	734.1	765.5	784.3
67.5°	608.6	614.9	640.0	674.5	687.1
70°	520.8	527.1	549.0	577.3	586.7
72.5°	432.9	442.4	458.0	483.1	495.7
75°	351.4	357.6	370.2	389.0	401.6
77.5°	272.9	276.1	285.5	301.2	310.6
80°	197.6	200.8	207.1	219.6	225.9
82.5°	131.8	134.9	138.0	144.3	150.6
85°	75.3	75.3	75.3	81.6	84.7
87.5°	28.2	25.1	25.1	25.1	25.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)