

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: P385207

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

Issue Date: 2/25/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P385207  
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-65-L835-CNC  
Description: 2X4 IN DEPTH TROFFER WITH CONCAVE LENS

Light Source: -  
Ballast/Driver: -

**Summary**

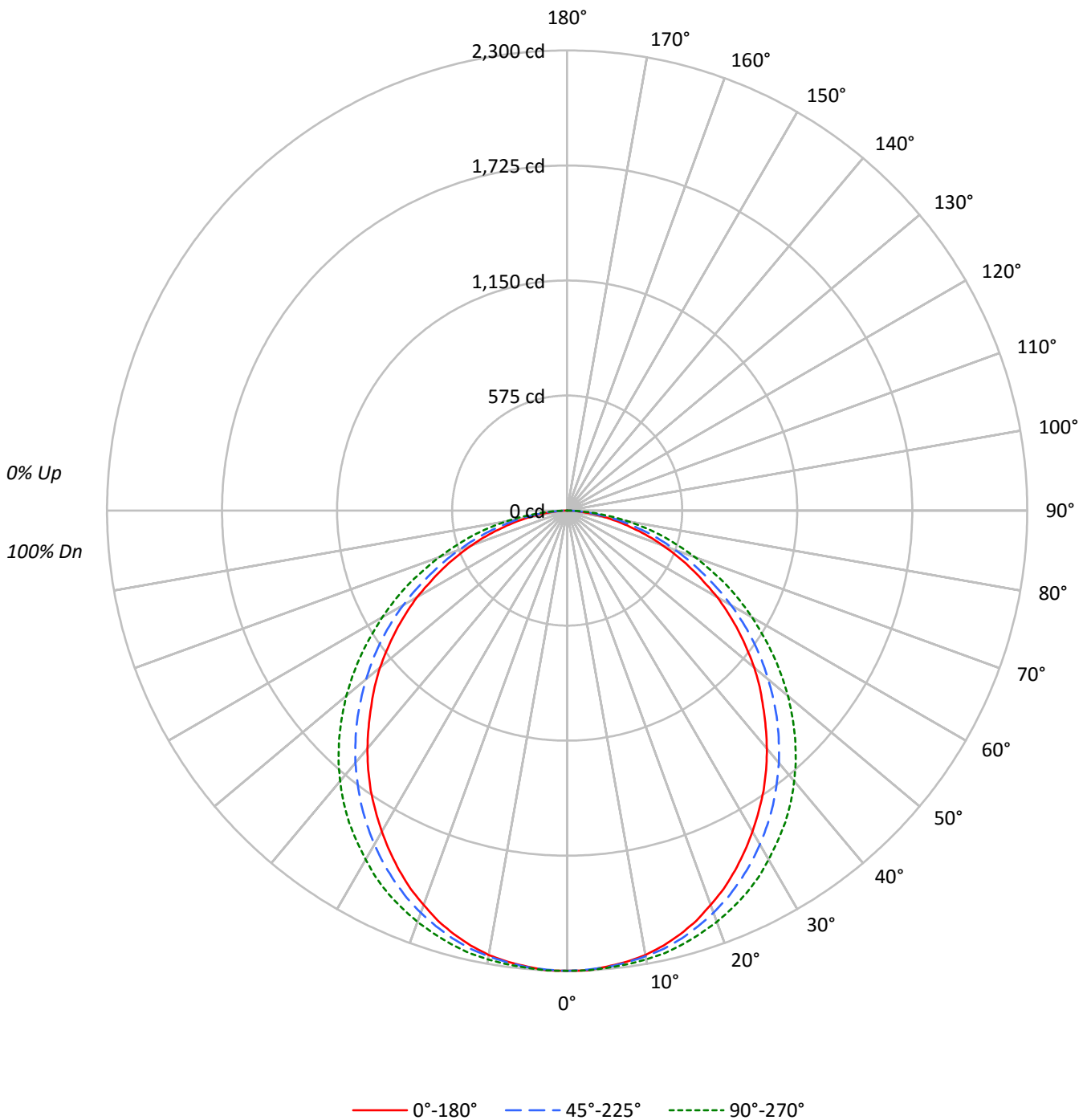
Lumens per Lamp: N/A  
Luminaire Lumens: 6387.2 lumens  
Efficiency: N/A  
Efficacy: 105.6 lumens/watt  
Spacing Criteria (0/90/45): 1.2 / 1.3 / 1.36  
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')  
CIE Type: Direct

Input Watts (W): 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



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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°	3095	3095	3095
5°	3090	3094	3098
10°	3081	3090	3112
15°	3052	3083	3124
20°	3003	3063	3132
25°	2946	3033	3138
30°	2878	2993	3129
35°	2810	2948	3122
40°	2728	2892	3101
45°	2636	2826	3065
50°	2556	2745	3015
55°	2449	2660	2947
60°	2332	2549	2870
65°	2174	2400	2790
70°	2003	2256	2674
75°	1775	2093	2563
80°	1498	1872	2372
85°	1095	1442	1890



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	217.8	3.4
10°-20°	624.7	9.8
20°-30°	942.2	14.8
30°-40°	1124.9	17.6
40°-50°	1149.6	18.0
50°-60°	1019.4	16.0
60°-70°	760.0	11.9
70°-80°	434.1	6.8
80°-90°	114.5	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°	1784.7	27.9
0°-40°	2909.6	45.6
0°-60°	5078.6	79.5
0°-90°	6387.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6387.2	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2300	2300	2300	2300	2300	
5°	2288	2288	2291	2291	2294	217
15°	2191	2197	2214	2233	2242	617
25°	1985	2001	2043	2088	2114	914
35°	1711	1733	1795	1866	1901	1069
45°	1385	1414	1485	1566	1611	1070
55°	1044	1063	1134	1215	1256	933
65°	683	699	754	831	876	677
75°	342	358	403	464	493	364
85°	71	74	93	116	122	89
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2300.4	2300.4	2300.4	2300.4	2300.4
2.5°	2300.4	2297.2	2297.2	2297.2	2300.4
5°	2287.6	2287.6	2290.8	2290.8	2294.0
7.5°	2274.7	2274.7	2277.9	2281.1	2287.6
10°	2255.3	2255.3	2261.8	2271.4	2277.9
12.5°	2226.3	2229.6	2242.5	2255.3	2265.0
15°	2190.9	2197.3	2213.5	2232.8	2242.5
17.5°	2149.0	2155.5	2178.0	2203.8	2216.7
20°	2097.5	2110.4	2139.4	2171.6	2187.7
22.5°	2045.9	2058.8	2094.2	2132.9	2152.2
25°	1984.7	2000.8	2042.7	2087.8	2113.6
27.5°	1920.3	1939.6	1987.9	2039.5	2068.5
30°	1852.6	1875.2	1926.7	1984.7	2013.7
32.5°	1781.7	1804.3	1862.3	1926.7	1958.9
35°	1710.8	1733.4	1794.6	1865.5	1900.9
37.5°	1633.5	1656.1	1720.5	1797.8	1836.5
40°	1553.0	1578.7	1646.4	1723.7	1765.6
42.5°	1469.2	1498.2	1565.9	1649.6	1691.5
45°	1385.4	1414.4	1485.3	1565.9	1611.0
47.5°	1304.9	1327.4	1398.3	1482.1	1527.2
50°	1221.1	1240.4	1311.3	1395.1	1440.2
52.5°	1130.9	1156.7	1224.3	1308.1	1350.0
55°	1043.9	1063.2	1134.1	1214.7	1256.5
57.5°	953.7	973.0	1040.7	1121.2	1159.9
60°	866.7	886.0	947.2	1027.8	1066.5
62.5°	770.0	789.4	850.6	934.4	973.0
65°	683.0	699.2	753.9	831.3	876.4
67.5°	596.1	612.2	663.7	737.8	773.3
70°	509.1	522.0	573.5	641.2	679.8
72.5°	425.3	438.2	489.7	550.9	583.2
75°	341.5	357.6	402.7	464.0	493.0
77.5°	264.2	280.3	319.0	373.7	399.5
80°	193.3	206.2	241.6	283.5	306.1
82.5°	128.9	138.5	164.3	199.8	215.9
85°	70.9	74.1	93.4	116.0	122.4
87.5°	29.0	29.0	35.4	38.7	41.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)