

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: P383871

Luminaire Tested: **24ID-75-L835-CFR1**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P383871
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-75-L835-CFR1
Description: 2X4 IN DEPTH TROFFER WITH 1INCH RECESSED COFFER LENS

Light Source: -
Ballast/Driver: -

Summary

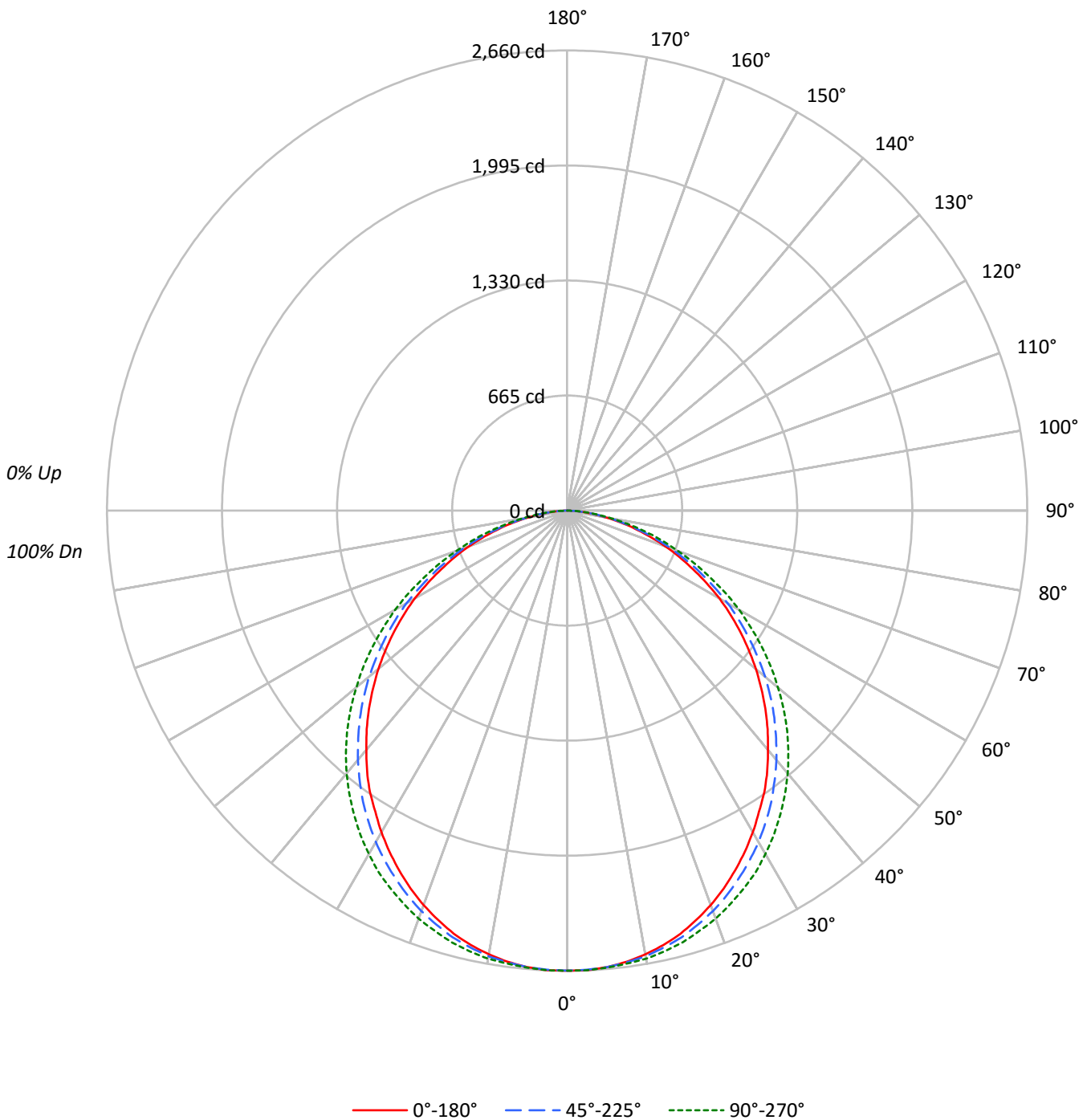
Lumens per Lamp: N/A
Luminaire Lumens: 7222.9 lumens
Efficiency: N/A
Efficacy: 102.0 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.28 / 1.35
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 70.8
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



TEST NUMBER: P383871
CATALOG NUMBER: 24ID-75-L835-CFR1

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	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					100			
1	109	104	100	96	106	102	98	95	98	95	92	94	91	89	90	88	86	84					84			
2	99	91	84	79	97	89	83	78	86	81	76	82	78	74	79	76	73	71					71			
3	91	80	72	66	88	79	71	65	76	69	64	73	67	63	70	66	62	60					60			
4	83	71	62	56	81	70	62	55	67	60	55	65	59	54	63	58	53	51					51			
5	76	64	55	48	74	63	54	48	60	53	47	58	52	47	57	51	46	44					44			
6	71	57	48	42	69	56	48	42	55	47	42	53	46	41	51	45	41	39					39			
7	65	52	43	37	64	51	43	37	50	42	37	48	42	37	47	41	36	34					34			
8	61	47	39	33	59	47	39	33	45	38	33	44	38	33	43	37	32	31					31			
9	57	44	35	30	56	43	35	30	42	35	30	41	34	30	40	34	29	28					28			
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27	25					25			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3578	3578	3578
5°	3577	3577	3582
10°	3559	3574	3594
15°	3528	3558	3598
20°	3475	3527	3595
25°	3409	3484	3582
30°	3336	3438	3562
35°	3264	3378	3527
40°	3172	3306	3484
45°	3083	3222	3422
50°	2981	3126	3331
55°	2864	3008	3222
60°	2738	2884	3090
65°	2556	2707	2892
70°	2373	2501	2673
75°	2115	2229	2418
80°	1774	1858	2027
85°	1346	1346	1514



TEST NUMBER: P383871

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	251.7	3.5
10°-20°	720.2	10.0
20°-30°	1082.9	15.0
30°-40°	1288.3	17.8
40°-50°	1310.9	18.1
50°-60°	1153.6	16.0
60°-70°	846.3	11.7
70°-80°	459.3	6.4
80°-90°	109.6	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°	2054.9	28.4
0°-40°	3343.2	46.3
0°-60°	5807.7	80.4
0°-90°	7222.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7222.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2660	2660	2660	2660	2660	
5°	2649	2645	2649	2649	2652	251
15°	2532	2536	2554	2569	2583	713
25°	2296	2311	2347	2387	2412	1058
35°	1987	2002	2056	2118	2147	1241
45°	1620	1635	1693	1766	1798	1249
55°	1221	1239	1282	1344	1373	1092
65°	803	818	850	886	908	798
75°	407	414	429	450	465	432
85°	87	87	87	94	98	105
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2659.5	2659.5	2659.5	2659.5	2659.5
2.5°	2659.5	2655.9	2655.9	2655.9	2659.5
5°	2648.6	2645.0	2648.6	2648.6	2652.3
7.5°	2630.5	2626.8	2634.1	2637.7	2641.4
10°	2605.0	2605.0	2615.9	2623.2	2630.5
12.5°	2572.3	2576.0	2586.9	2597.8	2608.7
15°	2532.4	2536.0	2554.2	2568.7	2583.2
17.5°	2481.5	2488.8	2510.6	2532.4	2546.9
20°	2427.0	2437.9	2463.3	2492.4	2510.6
22.5°	2365.2	2379.8	2408.8	2445.2	2463.3
25°	2296.2	2310.7	2347.1	2387.0	2412.5
27.5°	2223.5	2241.7	2281.7	2328.9	2358.0
30°	2147.2	2165.4	2212.6	2263.5	2292.6
32.5°	2063.7	2085.5	2136.3	2194.5	2223.5
35°	1987.4	2001.9	2056.4	2118.2	2147.2
37.5°	1900.2	1918.4	1969.2	2034.6	2067.3
40°	1805.7	1823.9	1882.0	1947.4	1983.7
42.5°	1714.9	1729.4	1787.6	1860.2	1892.9
45°	1620.4	1635.0	1693.1	1765.8	1798.5
47.5°	1522.3	1540.5	1595.0	1664.0	1696.7
50°	1424.2	1438.8	1493.3	1558.7	1591.4
52.5°	1322.5	1337.0	1387.9	1453.3	1486.0
55°	1220.8	1238.9	1282.5	1344.3	1373.4
57.5°	1119.0	1137.2	1177.2	1235.3	1260.7
60°	1017.3	1031.8	1071.8	1122.7	1148.1
62.5°	908.3	919.2	959.2	1010.0	1031.8
65°	802.9	817.5	850.2	886.5	908.3
67.5°	704.8	712.1	741.2	781.1	795.7
70°	603.1	610.4	635.8	668.5	679.4
72.5°	501.4	512.3	530.5	559.5	574.1
75°	406.9	414.2	428.7	450.5	465.1
77.5°	316.1	319.7	330.6	348.8	359.7
80°	228.9	232.5	239.8	254.3	261.6
82.5°	152.6	156.2	159.9	167.1	174.4
85°	87.2	87.2	87.2	94.5	98.1
87.5°	32.7	29.1	29.1	29.1	29.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)