

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: P383759

Luminaire Tested: **14ID-70-L835-CFR1**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P383759
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: 14ID-70-L835-CFR1
Description: 1X4 IN DEPTH TROFFER WITH 1INCH RECESSED COFFER LENS

Light Source: -
Ballast/Driver: -

Summary

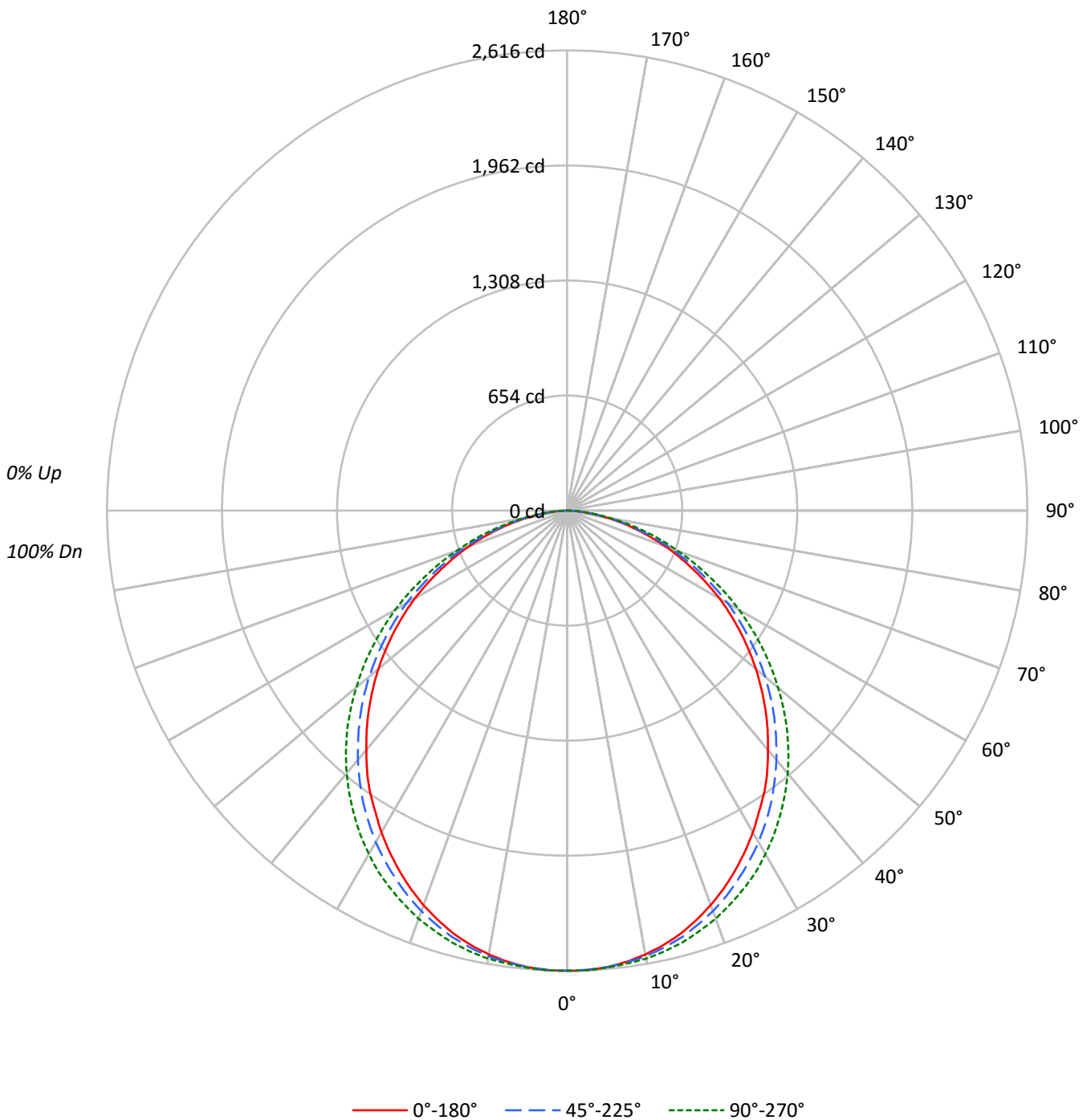
Lumens per Lamp: N/A
Luminaire Lumens: 7104.0 lumens
Efficiency: N/A
Efficacy: 108.3 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.28 / 1.35
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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	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°	7039	7039	7039
5°	7037	7037	7047
10°	7001	7030	7070
15°	6939	6998	7078
20°	6836	6938	7071
25°	6706	6854	7045
30°	6562	6762	7006
35°	6421	6644	6938
40°	6239	6502	6854
45°	6065	6337	6731
50°	5864	6149	6553
55°	5633	5918	6337
60°	5385	5674	6077
65°	5028	5324	5689
70°	4667	4921	5257
75°	4161	4384	4756
80°	3488	3654	3987
85°	2649	2649	2979



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	247.6	3.5
10°-20°	708.4	10.0
20°-30°	1065.1	15.0
30°-40°	1267.1	17.8
40°-50°	1289.3	18.1
50°-60°	1134.7	16.0
60°-70°	832.3	11.7
70°-80°	451.8	6.4
80°-90°	107.8	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°	2021.1	28.4
0°-40°	3288.2	46.3
0°-60°	5712.1	80.4
0°-90°	7104.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7104.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2616	2616	2616	2616	2616	
5°	2605	2602	2605	2605	2609	247
15°	2491	2494	2512	2526	2541	702
25°	2258	2273	2308	2348	2373	1040
35°	1955	1969	2023	2083	2112	1221
45°	1594	1608	1665	1737	1769	1229
55°	1201	1218	1261	1322	1351	1074
65°	790	804	836	872	893	785
75°	400	407	422	443	457	425
85°	86	86	86	93	96	104
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2615.8	2615.8	2615.8	2615.8	2615.8
2.5°	2615.8	2612.2	2612.2	2612.2	2615.8
5°	2605.0	2601.5	2605.0	2605.0	2608.6
7.5°	2587.2	2583.6	2590.7	2594.3	2597.9
10°	2562.2	2562.2	2572.9	2580.0	2587.2
12.5°	2530.0	2533.6	2544.3	2555.0	2565.7
15°	2490.7	2494.3	2512.1	2526.4	2540.7
17.5°	2440.7	2447.8	2469.2	2490.7	2505.0
20°	2387.1	2397.8	2422.8	2451.4	2469.2
22.5°	2326.3	2340.6	2369.2	2404.9	2422.8
25°	2258.4	2272.7	2308.4	2347.7	2372.8
27.5°	2186.9	2204.8	2244.1	2290.6	2319.2
30°	2111.9	2129.8	2176.2	2226.2	2254.8
32.5°	2029.7	2051.1	2101.2	2158.4	2186.9
35°	1954.7	1969.0	2022.6	2083.3	2111.9
37.5°	1868.9	1886.8	1936.8	2001.1	2033.3
40°	1776.0	1793.9	1851.0	1915.4	1951.1
42.5°	1686.7	1701.0	1758.1	1829.6	1861.8
45°	1593.8	1608.0	1665.2	1736.7	1768.8
47.5°	1497.3	1515.1	1568.7	1636.6	1668.8
50°	1400.8	1415.1	1468.7	1533.0	1565.2
52.5°	1300.7	1315.0	1365.1	1429.4	1461.5
55°	1200.7	1218.5	1261.4	1322.2	1350.8
57.5°	1100.6	1118.5	1157.8	1215.0	1240.0
60°	1000.6	1014.9	1054.2	1104.2	1129.2
62.5°	893.4	904.1	943.4	993.4	1014.9
65°	789.7	804.0	836.2	871.9	893.4
67.5°	693.2	700.4	729.0	768.3	782.6
70°	593.2	600.3	625.4	657.5	668.2
72.5°	493.1	503.9	521.7	550.3	564.6
75°	400.2	407.4	421.7	443.1	457.4
77.5°	310.9	314.5	325.2	343.0	353.8
80°	225.1	228.7	235.8	250.1	257.3
82.5°	150.1	153.7	157.2	164.4	171.5
85°	85.8	85.8	85.8	92.9	96.5
87.5°	32.2	28.6	28.6	28.6	28.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)