

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: P383999

Luminaire Tested: **22ID-90-L835-CFR2**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P383999
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: 22ID-90-L835-CFR2
Description: 2X2 IN DEPTH TROFFER WITH 2INCH RECESSED COFFER LENS

Light Source: -
Ballast/Driver: -

Summary

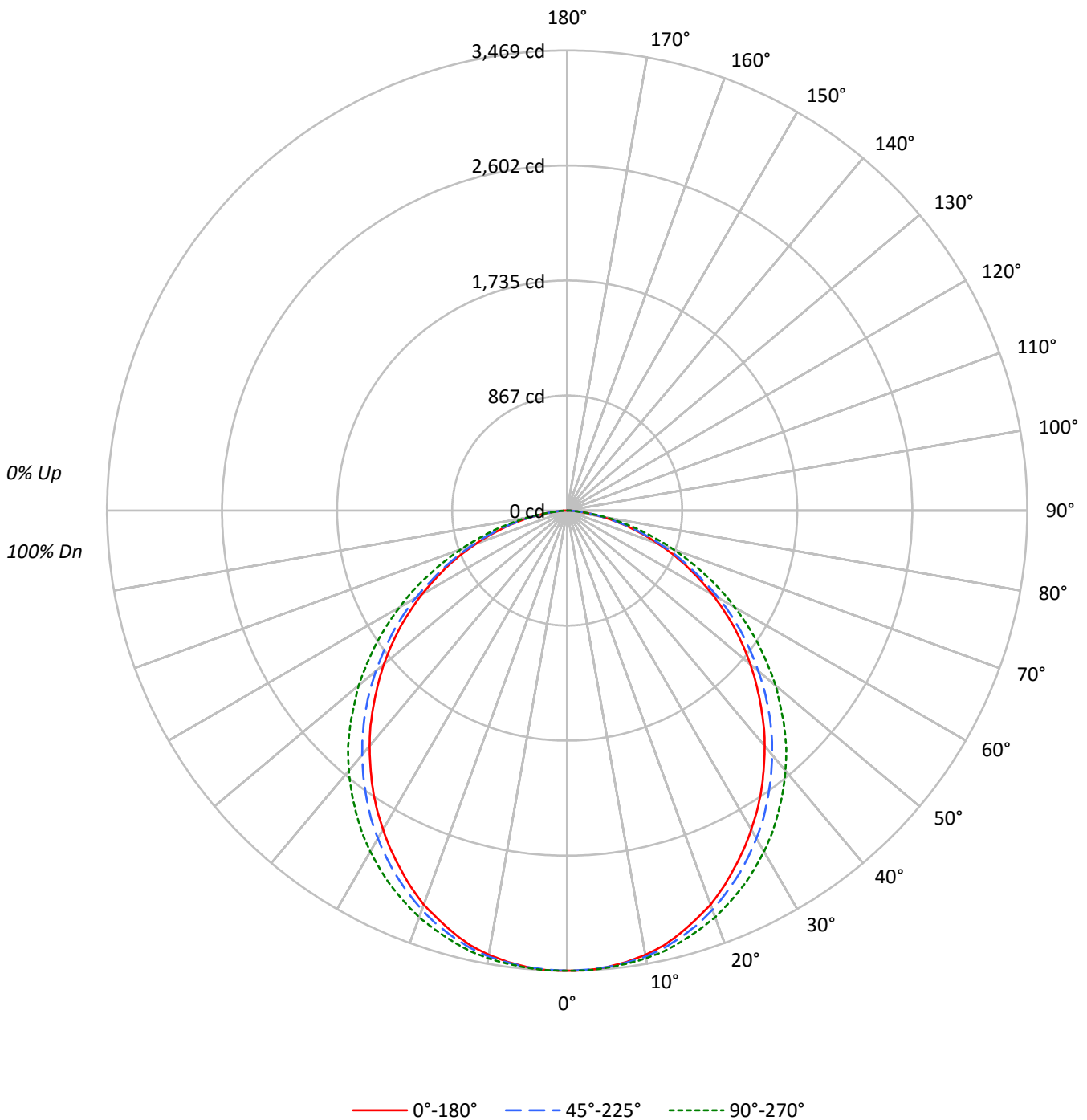
Lumens per Lamp: N/A
Luminaire Lumens: 9157.1 lumens
Efficiency: N/A
Efficacy: 108.9 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.27 / 1.33
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 84.1
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	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°	9334	9334	9334
5°	9333	9333	9346
10°	9290	9328	9366
15°	9191	9268	9357
20°	9053	9172	9342
25°	8842	9033	9291
30°	8626	8868	9225
35°	8396	8667	9119
40°	8140	8446	8994
45°	7840	8190	8818
50°	7549	7875	8586
55°	7211	7534	8266
60°	6816	7112	7853
65°	6340	6544	7333
70°	5740	5957	6714
75°	5009	5200	5868
80°	4052	4124	4621
85°	2408	2692	2266



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	328.4	3.6
10°-20°	938.6	10.2
20°-30°	1404.0	15.3
30°-40°	1658.8	18.1
40°-50°	1673.8	18.3
50°-60°	1453.6	15.9
60°-70°	1042.3	11.4
70°-80°	543.0	5.9
80°-90°	114.6	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°	2671.0	29.2
0°-40°	4329.7	47.3
0°-60°	7457.1	81.4
0°-90°	9157.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9157.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3469	3469	3469	3469	3469	
5°	3455	3450	3455	3455	3460	328
15°	3299	3304	3327	3350	3359	930
25°	2978	2996	3042	3102	3129	1372
35°	2556	2574	2638	2735	2776	1598
45°	2060	2083	2152	2262	2317	1591
55°	1537	1551	1606	1712	1762	1373
65°	996	991	1028	1106	1152	984
75°	482	477	500	537	564	514
85°	78	87	87	78	73	112
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3468.8	3468.8	3468.8	3468.8	3468.8
2.5°	3468.8	3464.2	3464.2	3464.2	3468.8
5°	3455.1	3450.5	3455.1	3455.1	3459.7
7.5°	3432.1	3427.5	3436.7	3441.3	3445.9
10°	3400.0	3400.0	3413.8	3422.9	3427.5
12.5°	3358.7	3358.7	3377.1	3390.8	3400.0
15°	3299.1	3303.6	3326.6	3349.5	3358.7
17.5°	3230.2	3244.0	3271.5	3303.6	3312.8
20°	3161.4	3170.6	3202.7	3244.0	3262.4
22.5°	3074.2	3088.0	3124.7	3179.8	3198.1
25°	2977.9	2996.2	3042.1	3101.8	3129.3
27.5°	2881.5	2895.3	2950.3	3019.2	3051.3
30°	2776.0	2794.3	2854.0	2932.0	2968.7
32.5°	2670.4	2684.2	2753.0	2835.6	2876.9
35°	2555.7	2574.1	2638.3	2734.7	2776.0
37.5°	2436.4	2459.4	2523.6	2624.6	2670.4
40°	2317.1	2330.9	2404.3	2505.3	2560.3
42.5°	2193.3	2211.6	2280.4	2390.6	2445.6
45°	2060.2	2083.1	2152.0	2262.1	2317.1
47.5°	1931.7	1954.7	2018.9	2129.0	2179.5
50°	1803.2	1817.0	1881.2	1991.4	2051.0
52.5°	1670.2	1683.9	1743.6	1849.1	1904.2
55°	1537.1	1550.9	1605.9	1711.5	1761.9
57.5°	1399.5	1408.6	1463.7	1560.1	1610.5
60°	1266.4	1271.0	1321.5	1408.6	1459.1
62.5°	1124.2	1128.7	1165.5	1266.4	1312.3
65°	995.7	991.1	1027.8	1105.8	1151.7
67.5°	862.6	862.6	894.7	963.6	1000.3
70°	729.6	729.6	757.1	816.7	853.4
72.5°	605.7	605.7	628.6	674.5	702.0
75°	481.8	477.2	500.1	536.8	564.4
77.5°	367.1	367.1	376.2	408.4	426.7
80°	261.5	261.5	266.1	284.5	298.2
82.5°	165.2	165.2	165.2	174.4	178.9
85°	78.0	87.2	87.2	78.0	73.4
87.5°	36.7	36.7	32.1	32.1	32.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)