

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: P383831

Luminaire Tested: **22ID-90-L835-CFR1**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P383831
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: 22ID-90-L835-CFR1
Description: 2X2 IN DEPTH TROFFER WITH 1INCH RECESSED COFFER LENS

Light Source: -
Ballast/Driver: -

Summary

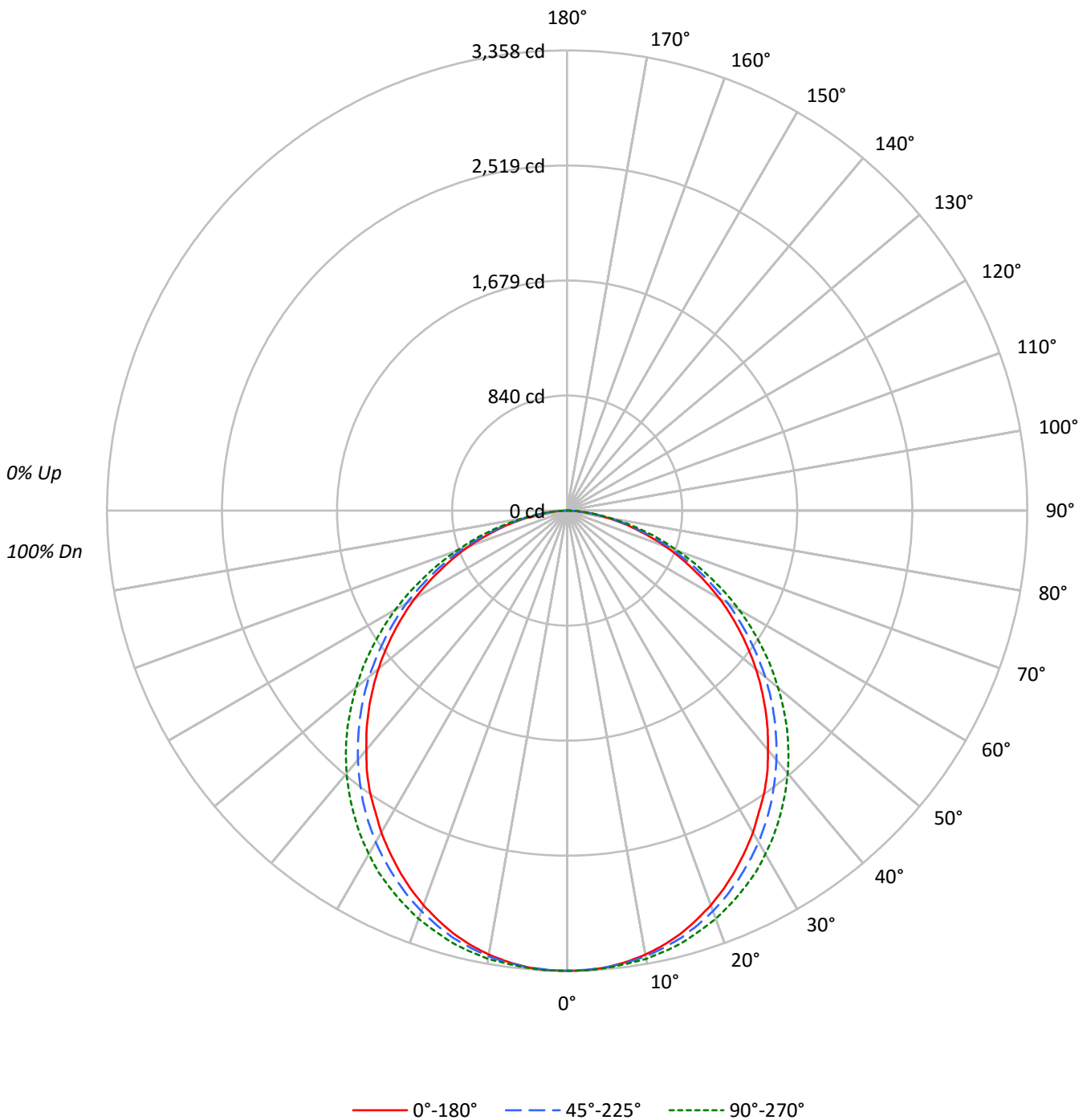
Lumens per Lamp: N/A
Luminaire Lumens: 9120.4 lumens
Efficiency: N/A
Efficacy: 108.4 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.28 / 1.35
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

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	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°	9037	9037	9037
5°	9034	9034	9047
10°	8988	9026	9076
15°	8908	8985	9087
20°	8776	8907	9078
25°	8609	8800	9045
30°	8425	8681	8995
35°	8244	8530	8907
40°	8010	8348	8799
45°	7787	8136	8642
50°	7529	7894	8412
55°	7232	7598	8136
60°	6914	7284	7802
65°	6456	6835	7303
70°	5992	6316	6750
75°	5342	5629	6105
80°	4479	4692	5119
85°	3399	3399	3825



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	317.8	3.5
10°-20°	909.4	10.0
20°-30°	1367.4	15.0
30°-40°	1626.7	17.8
40°-50°	1655.2	18.1
50°-60°	1456.7	16.0
60°-70°	1068.6	11.7
70°-80°	580.0	6.4
80°-90°	138.4	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°	2594.7	28.4
0°-40°	4221.5	46.3
0°-60°	7333.4	80.4
0°-90°	9120.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9120.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3358	3358	3358	3358	3358	
5°	3344	3340	3344	3344	3349	317
15°	3198	3202	3225	3244	3262	901
25°	2899	2918	2964	3014	3046	1335
35°	2510	2528	2597	2675	2711	1567
45°	2046	2064	2138	2230	2271	1577
55°	1542	1564	1620	1698	1734	1379
65°	1014	1032	1074	1119	1147	1008
75°	514	523	541	569	587	546
85°	110	110	110	119	124	133
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3358.2	3358.2	3358.2	3358.2	3358.2
2.5°	3358.2	3353.6	3353.6	3353.6	3358.2
5°	3344.4	3339.9	3344.4	3344.4	3349.0
7.5°	3321.5	3316.9	3326.1	3330.7	3335.3
10°	3289.4	3289.4	3303.2	3312.3	3321.5
12.5°	3248.1	3252.7	3266.5	3280.2	3294.0
15°	3197.6	3202.2	3225.2	3243.5	3261.9
17.5°	3133.4	3142.6	3170.1	3197.6	3216.0
20°	3064.6	3078.4	3110.5	3147.2	3170.1
22.5°	2986.6	3005.0	3041.7	3087.5	3110.5
25°	2899.4	2917.8	2963.7	3014.1	3046.2
27.5°	2807.7	2830.6	2881.1	2940.7	2977.4
30°	2711.3	2734.3	2793.9	2858.1	2894.8
32.5°	2605.8	2633.3	2697.6	2771.0	2807.7
35°	2509.5	2527.8	2596.6	2674.6	2711.3
37.5°	2399.4	2422.3	2486.5	2569.1	2610.4
40°	2280.1	2303.0	2376.4	2459.0	2504.9
42.5°	2165.4	2183.8	2257.2	2348.9	2390.2
45°	2046.1	2064.5	2137.9	2229.6	2270.9
47.5°	1922.3	1945.2	2014.0	2101.2	2142.5
50°	1798.4	1816.7	1885.6	1968.1	2009.4
52.5°	1669.9	1688.3	1752.5	1835.1	1876.4
55°	1541.5	1564.4	1619.5	1697.5	1734.2
57.5°	1413.0	1436.0	1486.4	1559.8	1591.9
60°	1284.6	1302.9	1353.4	1417.6	1449.7
62.5°	1146.9	1160.7	1211.2	1275.4	1302.9
65°	1013.9	1032.2	1073.5	1119.4	1146.9
67.5°	890.0	899.2	935.9	986.4	1004.7
70°	761.6	770.7	802.8	844.1	857.9
72.5°	633.1	646.9	669.8	706.5	724.9
75°	513.8	523.0	541.4	568.9	587.2
77.5°	399.1	403.7	417.5	440.4	454.2
80°	289.0	293.6	302.8	321.1	330.3
82.5°	192.7	197.3	201.9	211.0	220.2
85°	110.1	110.1	110.1	119.3	123.9
87.5°	41.3	36.7	36.7	36.7	36.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)