

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: P383899

Luminaire Tested: **14ID-35-L835-CFR2**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P383899
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: 14ID-35-L835-CFR2
Description: 1X4 IN DEPTH TROFFER WITH 2INCH RECESSED COFFER LENS

Light Source: -
Ballast/Driver: -

Summary

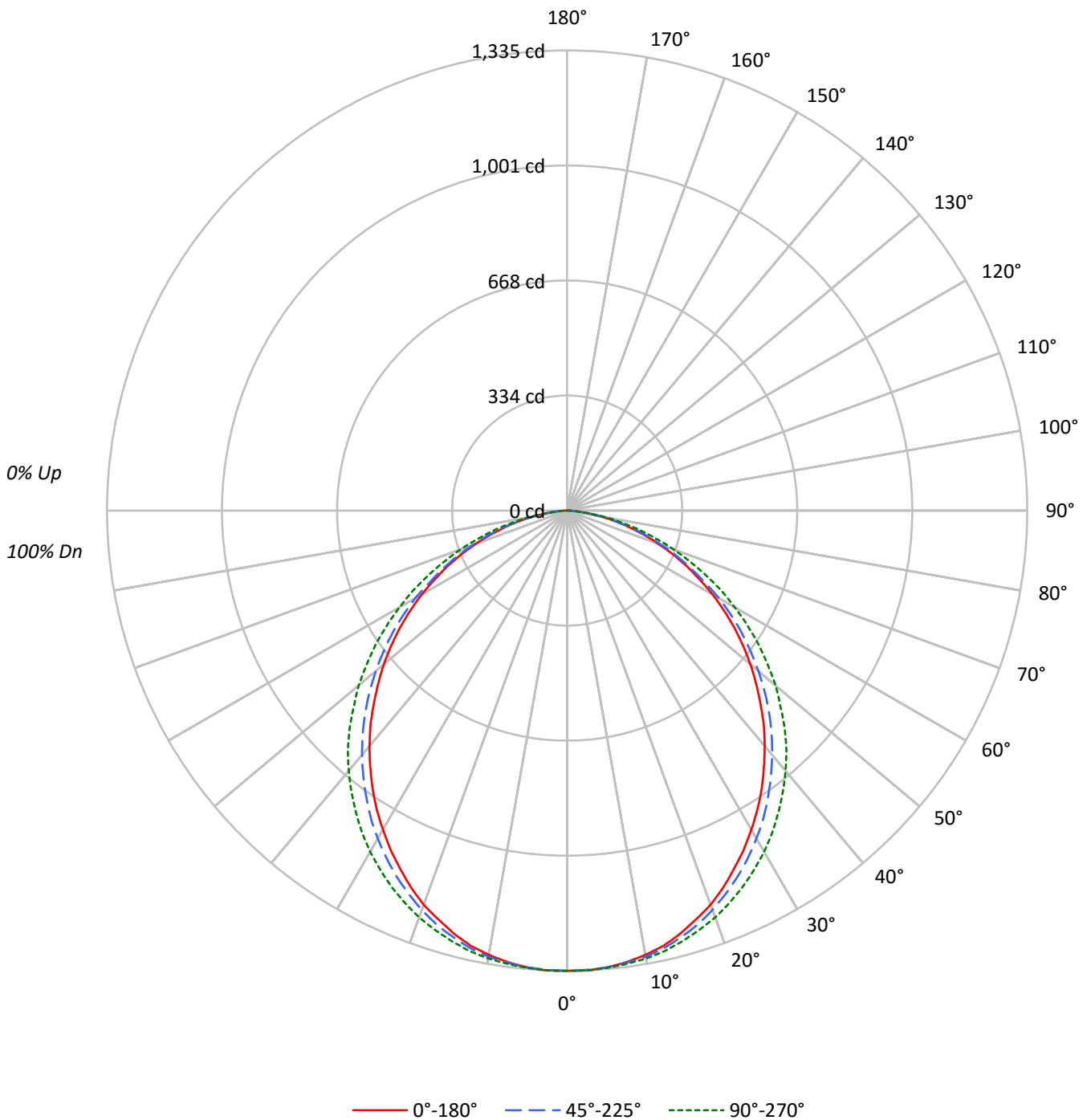
Lumens per Lamp: N/A
Luminaire Lumens: 3525.1 lumens
Efficiency: N/A
Efficacy: 124.1 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.27 / 1.33
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 28.4
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	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°	3594	3594	3594
5°	3593	3593	3598
10°	3577	3591	3606
15°	3538	3568	3602
20°	3485	3531	3596
25°	3404	3477	3577
30°	3320	3414	3551
35°	3232	3336	3510
40°	3133	3251	3462
45°	3018	3153	3395
50°	2906	3032	3306
55°	2776	2900	3182
60°	2624	2738	3023
65°	2441	2520	2823
70°	2209	2293	2585
75°	1929	2001	2259
80°	1561	1587	1779
85°	926	1037	874



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	126.4	3.6
10°-20°	361.3	10.2
20°-30°	540.5	15.3
30°-40°	638.6	18.1
40°-50°	644.4	18.3
50°-60°	559.6	15.9
60°-70°	401.3	11.4
70°-80°	209.0	5.9
80°-90°	44.1	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°	1028.2	29.2
0°-40°	1666.8	47.3
0°-60°	2870.7	81.4
0°-90°	3525.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3525.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1335	1335	1335	1335	1335	
5°	1330	1328	1330	1330	1332	126
15°	1270	1272	1281	1289	1293	358
25°	1146	1153	1171	1194	1205	528
35°	984	991	1016	1053	1069	615
45°	793	802	828	871	892	612
55°	592	597	618	659	678	528
65°	383	382	396	426	443	379
75°	186	184	192	207	217	198
85°	30	34	34	30	28	43
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1335.4	1335.4	1335.4	1335.4	1335.4
2.5°	1335.4	1333.6	1333.6	1333.6	1335.4
5°	1330.1	1328.3	1330.1	1330.1	1331.8
7.5°	1321.2	1319.5	1323.0	1324.8	1326.5
10°	1308.9	1308.9	1314.2	1317.7	1319.5
12.5°	1293.0	1293.0	1300.0	1305.3	1308.9
15°	1270.0	1271.8	1280.6	1289.4	1293.0
17.5°	1243.5	1248.8	1259.4	1271.8	1275.3
20°	1217.0	1220.5	1232.9	1248.8	1255.9
22.5°	1183.4	1188.7	1202.9	1224.1	1231.1
25°	1146.4	1153.4	1171.1	1194.0	1204.6
27.5°	1109.3	1114.6	1135.8	1162.3	1174.6
30°	1068.6	1075.7	1098.7	1128.7	1142.8
32.5°	1028.0	1033.3	1059.8	1091.6	1107.5
35°	983.9	990.9	1015.6	1052.7	1068.6
37.5°	937.9	946.8	971.5	1010.3	1028.0
40°	892.0	897.3	925.6	964.4	985.6
42.5°	844.3	851.4	877.9	920.3	941.5
45°	793.1	801.9	828.4	870.8	892.0
47.5°	743.6	752.5	777.2	819.6	839.0
50°	694.2	699.5	724.2	766.6	789.6
52.5°	642.9	648.2	671.2	711.8	733.0
55°	591.7	597.0	618.2	658.8	678.3
57.5°	538.7	542.3	563.5	600.6	620.0
60°	487.5	489.3	508.7	542.3	561.7
62.5°	432.8	434.5	448.7	487.5	505.2
65°	383.3	381.5	395.7	425.7	443.4
67.5°	332.1	332.1	344.4	370.9	385.1
70°	280.8	280.8	291.4	314.4	328.5
72.5°	233.2	233.2	242.0	259.7	270.3
75°	185.5	183.7	192.5	206.7	217.3
77.5°	141.3	141.3	144.8	157.2	164.3
80°	100.7	100.7	102.4	109.5	114.8
82.5°	63.6	63.6	63.6	67.1	68.9
85°	30.0	33.6	33.6	30.0	28.3
87.5°	14.1	14.1	12.4	12.4	12.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)