

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: P383963

Luminaire Tested: **22ID-45-L835-CFR2**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P383963
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-45-L835-CFR2
Description: 2X2 IN DEPTH TROFFER WITH 2INCH RECESSED COFFER LENS

Light Source: -
Ballast/Driver: -

Summary

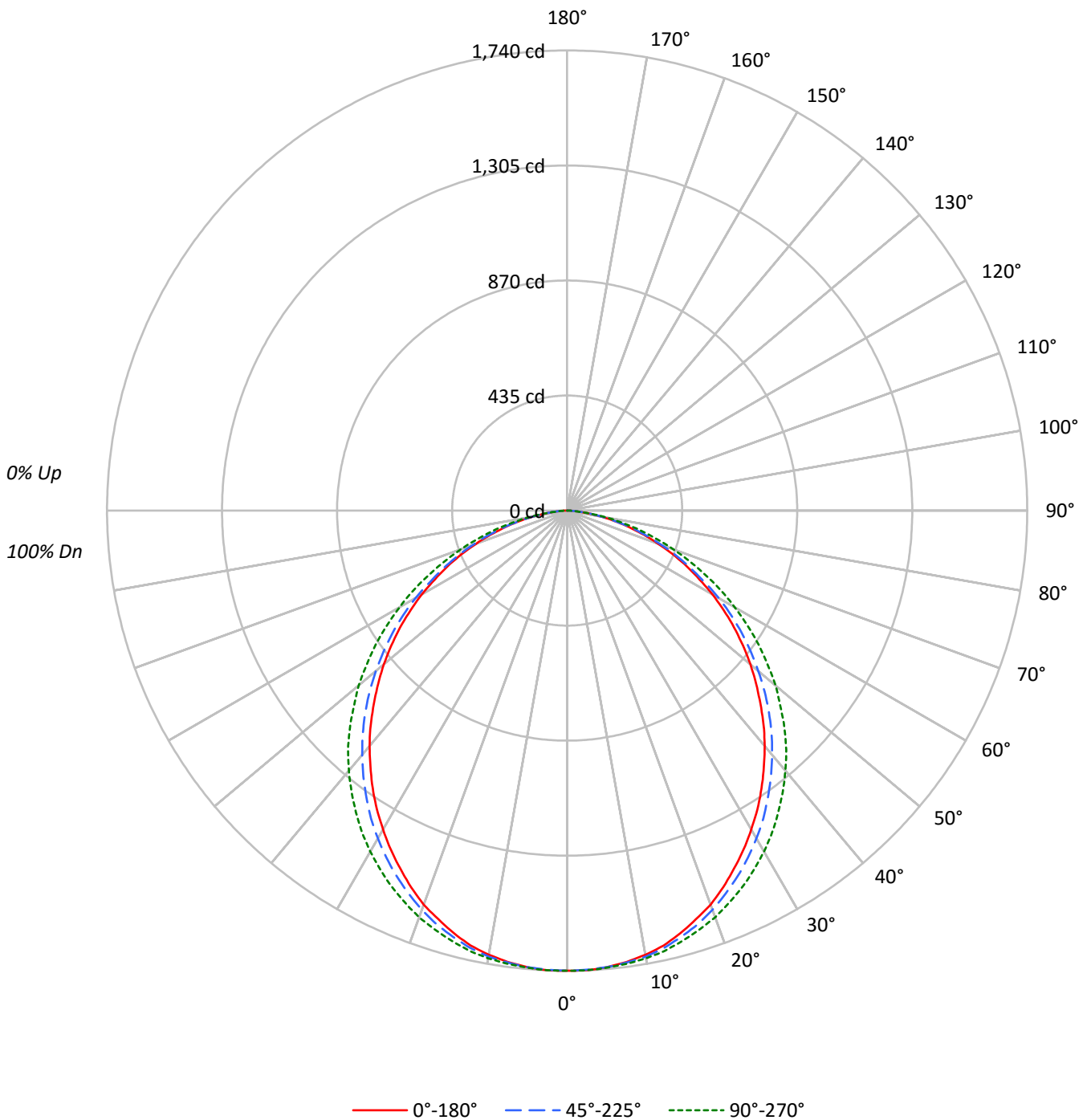
Lumens per Lamp: N/A
Luminaire Lumens: 4592.8 lumens
Efficiency: N/A
Efficacy: 123.5 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.27 / 1.33
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 37.2
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	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°	4682	4682	4682
5°	4681	4681	4687
10°	4660	4679	4697
15°	4610	4648	4693
20°	4541	4600	4686
25°	4435	4530	4660
30°	4326	4448	4627
35°	4211	4347	4574
40°	4083	4236	4511
45°	3932	4107	4423
50°	3786	3950	4307
55°	3617	3779	4146
60°	3419	3567	3939
65°	3180	3282	3678
70°	2879	2987	3367
75°	2512	2608	2943
80°	2033	2069	2318
85°	1207	1349	1136



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	164.7	3.6
10°-20°	470.8	10.2
20°-30°	704.2	15.3
30°-40°	832.0	18.1
40°-50°	839.5	18.3
50°-60°	729.1	15.9
60°-70°	522.8	11.4
70°-80°	272.3	5.9
80°-90°	57.5	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°	1339.6	29.2
0°-40°	2171.6	47.3
0°-60°	3740.2	81.4
0°-90°	4592.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4592.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1740	1740	1740	1740	1740	
5°	1733	1731	1733	1733	1735	165
15°	1655	1657	1668	1680	1685	466
25°	1494	1503	1526	1556	1570	688
35°	1282	1291	1323	1372	1392	801
45°	1033	1045	1079	1135	1162	798
55°	771	778	806	858	884	689
65°	499	497	516	555	578	494
75°	242	239	251	269	283	258
85°	39	44	44	39	37	56
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1739.8	1739.8	1739.8	1739.8	1739.8
2.5°	1739.8	1737.5	1737.5	1737.5	1739.8
5°	1732.9	1730.6	1732.9	1732.9	1735.2
7.5°	1721.4	1719.1	1723.7	1726.0	1728.3
10°	1705.3	1705.3	1712.2	1716.8	1719.1
12.5°	1684.6	1684.6	1693.8	1700.7	1705.3
15°	1654.7	1657.0	1668.5	1680.0	1684.6
17.5°	1620.1	1627.0	1640.9	1657.0	1661.6
20°	1585.6	1590.2	1606.3	1627.0	1636.3
22.5°	1541.9	1548.8	1567.2	1594.8	1604.0
25°	1493.6	1502.8	1525.8	1555.7	1569.5
27.5°	1445.2	1452.1	1479.8	1514.3	1530.4
30°	1392.3	1401.5	1431.4	1470.6	1489.0
32.5°	1339.4	1346.3	1380.8	1422.2	1442.9
35°	1281.8	1291.1	1323.3	1371.6	1392.3
37.5°	1222.0	1233.5	1265.7	1316.4	1339.4
40°	1162.2	1169.1	1205.9	1256.5	1284.1
42.5°	1100.0	1109.2	1143.8	1199.0	1226.6
45°	1033.3	1044.8	1079.3	1134.6	1162.2
47.5°	968.9	980.4	1012.6	1067.8	1093.1
50°	904.4	911.3	943.5	998.8	1028.7
52.5°	837.7	844.6	874.5	927.4	955.1
55°	770.9	777.9	805.5	858.4	883.7
57.5°	701.9	706.5	734.1	782.5	807.8
60°	635.2	637.5	662.8	706.5	731.8
62.5°	563.8	566.1	584.5	635.2	658.2
65°	499.4	497.1	515.5	554.6	577.6
67.5°	432.7	432.7	448.8	483.3	501.7
70°	365.9	365.9	379.7	409.6	428.0
72.5°	303.8	303.8	315.3	338.3	352.1
75°	241.6	239.3	250.8	269.3	283.1
77.5°	184.1	184.1	188.7	204.8	214.0
80°	131.2	131.2	133.5	142.7	149.6
82.5°	82.8	82.8	82.8	87.5	89.8
85°	39.1	43.7	43.7	39.1	36.8
87.5°	18.4	18.4	16.1	16.1	16.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)