

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: P384007

Luminaire Tested: **24ID-35-L835-CFR2**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P384007
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: 24ID-35-L835-CFR2
Description: 2X4 IN DEPTH TROFFER WITH 2INCH RECESSED COFFER LENS

Light Source: -
Ballast/Driver: -

Summary

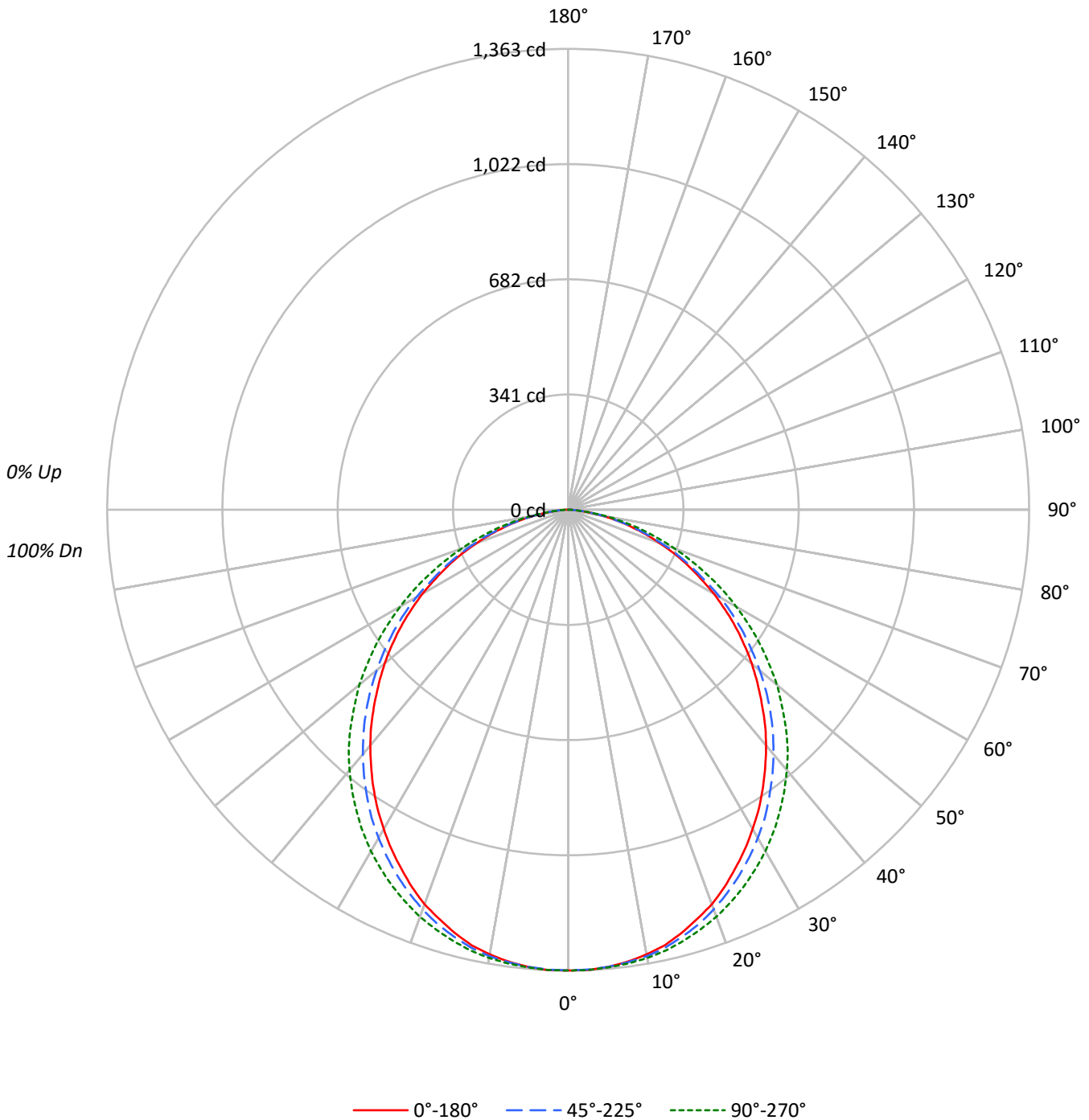
Lumens per Lamp: N/A
Luminaire Lumens: 3597.2 lumens
Efficiency: N/A
Efficacy: 118.3 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.27 / 1.33
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 30.4
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°	1833	1833	1833
5°	1833	1833	1836
10°	1825	1832	1840
15°	1805	1820	1838
20°	1778	1801	1835
25°	1737	1774	1825
30°	1694	1742	1812
35°	1649	1702	1791
40°	1599	1659	1767
45°	1540	1609	1732
50°	1483	1547	1686
55°	1416	1480	1624
60°	1339	1397	1542
65°	1245	1286	1440
70°	1127	1170	1319
75°	984	1022	1153
80°	796	810	908
85°	472	528	445



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	129.0	3.6
10°-20°	368.7	10.2
20°-30°	551.5	15.3
30°-40°	651.6	18.1
40°-50°	657.5	18.3
50°-60°	571.0	15.9
60°-70°	409.5	11.4
70°-80°	213.3	5.9
80°-90°	45.0	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°	1049.2	29.2
0°-40°	1700.9	47.3
0°-60°	2929.4	81.4
0°-90°	3597.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3597.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1363	1363	1363	1363	1363	
5°	1357	1356	1357	1357	1359	129
15°	1296	1298	1307	1316	1319	365
25°	1170	1177	1195	1218	1229	539
35°	1004	1011	1036	1074	1090	628
45°	809	818	845	889	910	625
55°	604	609	631	672	692	539
65°	391	389	404	434	452	387
75°	189	188	196	211	222	202
85°	31	34	34	31	29	44
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1362.7	1362.7	1362.7	1362.7	1362.7
2.5°	1362.7	1360.9	1360.9	1360.9	1362.7
5°	1357.3	1355.5	1357.3	1357.3	1359.1
7.5°	1348.2	1346.4	1350.0	1351.9	1353.7
10°	1335.6	1335.6	1341.0	1344.6	1346.4
12.5°	1319.4	1319.4	1326.6	1332.0	1335.6
15°	1296.0	1297.8	1306.8	1315.8	1319.4
17.5°	1268.9	1274.3	1285.2	1297.8	1301.4
20°	1241.9	1245.5	1258.1	1274.3	1281.6
22.5°	1207.7	1213.1	1227.5	1249.1	1256.3
25°	1169.8	1177.0	1195.0	1218.5	1229.3
27.5°	1132.0	1137.4	1159.0	1186.0	1198.6
30°	1090.5	1097.7	1121.1	1151.8	1166.2
32.5°	1049.0	1054.4	1081.5	1113.9	1130.1
35°	1004.0	1011.2	1036.4	1074.3	1090.5
37.5°	957.1	966.1	991.4	1031.0	1049.0
40°	910.2	915.7	944.5	984.1	1005.8
42.5°	861.6	868.8	895.8	939.1	960.7
45°	809.3	818.3	845.4	888.6	910.2
47.5°	758.8	767.9	793.1	836.3	856.2
50°	708.4	713.8	739.0	782.3	805.7
52.5°	656.1	661.5	684.9	726.4	748.0
55°	603.8	609.2	630.9	672.3	692.1
57.5°	549.8	553.4	575.0	612.8	632.7
60°	497.5	499.3	519.1	553.4	573.2
62.5°	441.6	443.4	457.8	497.5	515.5
65°	391.1	389.3	403.8	434.4	452.4
67.5°	338.9	338.9	351.5	378.5	392.9
70°	286.6	286.6	297.4	320.8	335.3
72.5°	237.9	237.9	246.9	265.0	275.8
75°	189.3	187.5	196.5	210.9	221.7
77.5°	144.2	144.2	147.8	160.4	167.6
80°	102.7	102.7	104.5	111.8	117.2
82.5°	64.9	64.9	64.9	68.5	70.3
85°	30.6	34.2	34.2	30.6	28.8
87.5°	14.4	14.4	12.6	12.6	12.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)