

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: P384009

Luminaire Tested: **24ID-35-L850-CFR2**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P384009
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-L850-CFR2
Description: 2X4 IN DEPTH TROFFER WITH 2INCH RECESSED COFFER LENS

Light Source: -
Ballast/Driver: -

Summary

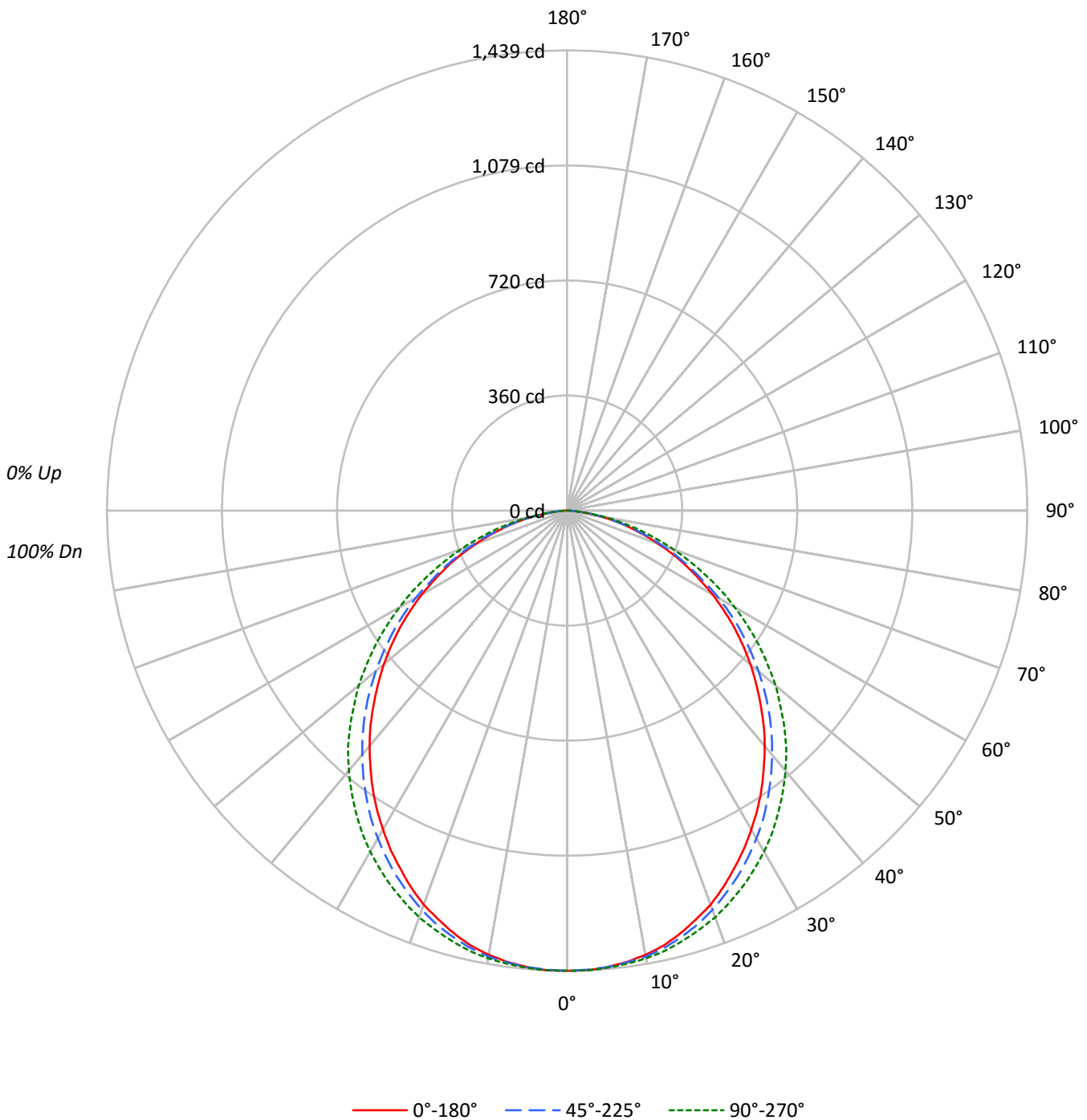
Lumens per Lamp: N/A
Luminaire Lumens: 3798.7 lumens
Efficiency: N/A
Efficacy: 125.8 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.27 / 1.33
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 30.2
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	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°	1936	1936	1936
5°	1936	1936	1938
10°	1927	1935	1943
15°	1906	1922	1941
20°	1878	1902	1938
25°	1834	1874	1927
30°	1789	1839	1913
35°	1741	1798	1892
40°	1688	1752	1865
45°	1626	1699	1829
50°	1566	1634	1781
55°	1496	1563	1715
60°	1414	1475	1629
65°	1315	1358	1521
70°	1190	1236	1393
75°	1039	1079	1217
80°	841	855	958
85°	500	559	471



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	136.2	3.6
10°-20°	389.4	10.2
20°-30°	582.4	15.3
30°-40°	688.1	18.1
40°-50°	694.4	18.3
50°-60°	603.0	15.9
60°-70°	432.4	11.4
70°-80°	225.3	5.9
80°-90°	47.5	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°	1108.0	29.2
0°-40°	1796.1	47.3
0°-60°	3093.5	81.4
0°-90°	3798.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3798.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1439	1439	1439	1439	1439	
5°	1433	1431	1433	1433	1435	136
15°	1369	1370	1380	1390	1393	386
25°	1235	1243	1262	1287	1298	569
35°	1060	1068	1094	1134	1152	663
45°	855	864	893	938	961	660
55°	638	643	666	710	731	570
65°	413	411	426	459	478	408
75°	200	198	208	223	234	213
85°	32	36	36	32	30	46
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1439.0	1439.0	1439.0	1439.0	1439.0
2.5°	1439.0	1437.1	1437.1	1437.1	1439.0
5°	1433.3	1431.4	1433.3	1433.3	1435.2
7.5°	1423.8	1421.9	1425.7	1427.6	1429.5
10°	1410.4	1410.4	1416.2	1420.0	1421.9
12.5°	1393.3	1393.3	1400.9	1406.6	1410.4
15°	1368.6	1370.5	1380.0	1389.5	1393.3
17.5°	1340.0	1345.7	1357.1	1370.5	1374.3
20°	1311.5	1315.3	1328.6	1345.7	1353.3
22.5°	1275.3	1281.0	1296.2	1319.1	1326.7
25°	1235.3	1242.9	1262.0	1286.7	1298.1
27.5°	1195.4	1201.1	1223.9	1252.5	1265.8
30°	1151.6	1159.2	1183.9	1216.3	1231.5
32.5°	1107.8	1113.5	1142.1	1176.3	1193.5
35°	1060.2	1067.8	1094.5	1134.4	1151.6
37.5°	1010.7	1020.2	1046.9	1088.8	1107.8
40°	961.2	966.9	997.4	1039.3	1062.1
42.5°	909.8	917.5	946.0	991.7	1014.5
45°	854.6	864.2	892.7	938.4	961.2
47.5°	801.3	810.9	837.5	883.2	904.1
50°	748.1	753.8	780.4	826.1	850.8
52.5°	692.9	698.6	723.3	767.1	789.9
55°	637.7	643.4	666.2	710.0	730.9
57.5°	580.5	584.4	607.2	647.2	668.1
60°	525.3	527.3	548.2	584.4	605.3
62.5°	466.3	468.2	483.5	525.3	544.4
65°	413.0	411.1	426.4	458.7	477.8
67.5°	357.8	357.8	371.2	399.7	414.9
70°	302.6	302.6	314.1	338.8	354.0
72.5°	251.3	251.3	260.8	279.8	291.2
75°	199.9	198.0	207.5	222.7	234.1
77.5°	152.3	152.3	156.1	169.4	177.0
80°	108.5	108.5	110.4	118.0	123.7
82.5°	68.5	68.5	68.5	72.3	74.2
85°	32.4	36.2	36.2	32.4	30.5
87.5°	15.2	15.2	13.3	13.3	13.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)