

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: P383965

Luminaire Tested: **22ID-45-L850-CFR2**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P383965
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-L850-CFR2
Description: 2X2 IN DEPTH TROFFER WITH 2INCH RECESSED COFFER LENS

Light Source: -
Ballast/Driver: -

Summary

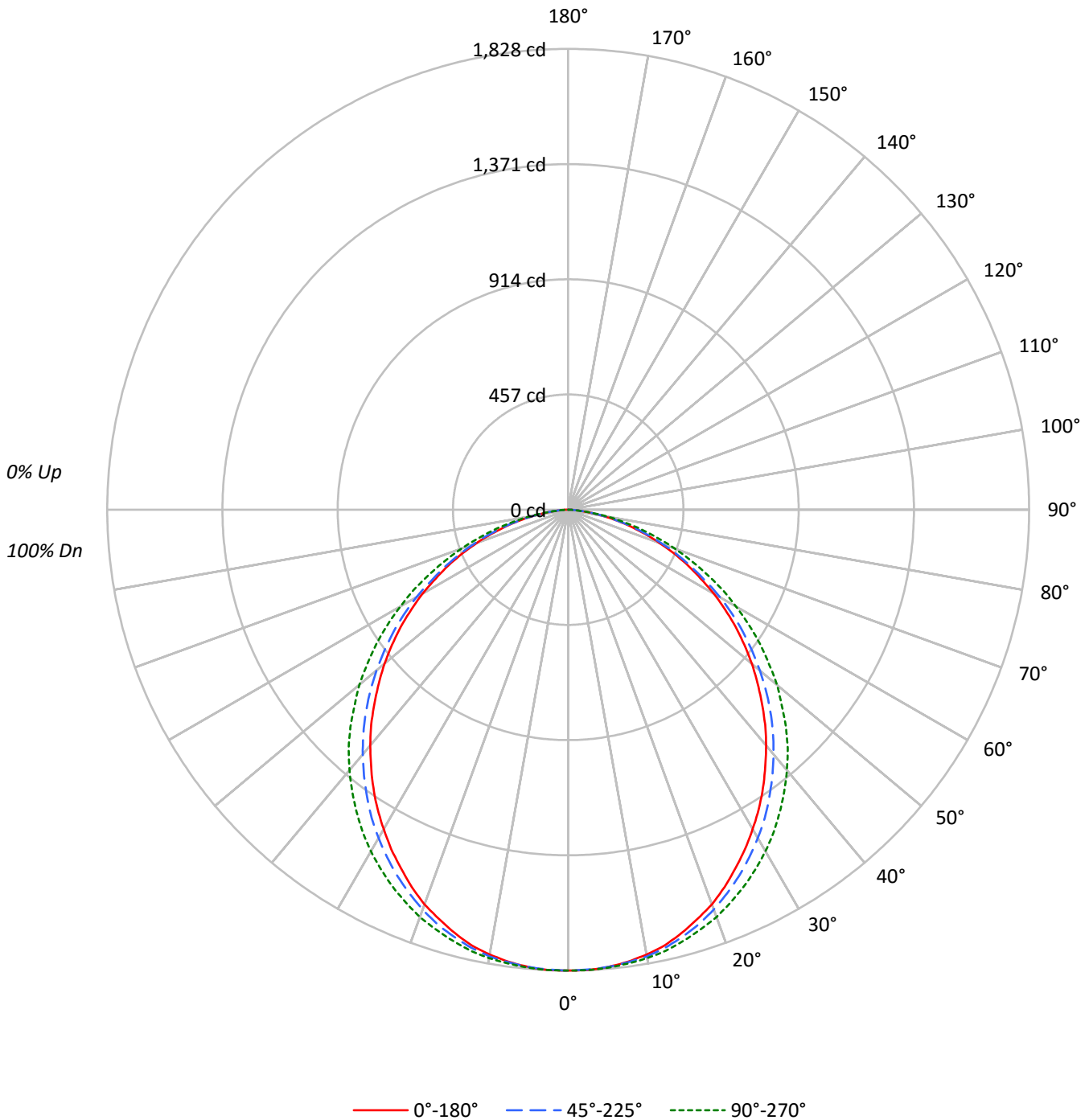
Lumens per Lamp: N/A
Luminaire Lumens: 4825.9 lumens
Efficiency: N/A
Efficacy: 128.7 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.27 / 1.33
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 37.5
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°	4919	4919	4919
5°	4919	4919	4925
10°	4896	4916	4936
15°	4844	4884	4931
20°	4771	4834	4924
25°	4660	4760	4897
30°	4546	4674	4861
35°	4425	4568	4806
40°	4290	4451	4740
45°	4132	4316	4647
50°	3978	4150	4525
55°	3801	3970	4357
60°	3592	3748	4139
65°	3341	3449	3865
70°	3025	3139	3539
75°	2640	2741	3092
80°	2135	2174	2436
85°	1269	1417	1195



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	173.1	3.6
10°-20°	494.6	10.2
20°-30°	739.9	15.3
30°-40°	874.2	18.1
40°-50°	882.1	18.3
50°-60°	766.1	15.9
60°-70°	549.3	11.4
70°-80°	286.2	5.9
80°-90°	60.4	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°	1407.6	29.2
0°-40°	2281.8	47.3
0°-60°	3930.0	81.4
0°-90°	4825.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4825.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1828	1828	1828	1828	1828	
5°	1821	1818	1821	1821	1823	173
15°	1739	1741	1753	1765	1770	490
25°	1569	1579	1603	1635	1649	723
35°	1347	1357	1390	1441	1463	842
45°	1086	1098	1134	1192	1221	838
55°	810	817	846	902	929	724
65°	525	522	542	583	607	519
75°	254	252	264	283	297	271
85°	41	46	46	41	39	59
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1828.1	1828.1	1828.1	1828.1	1828.1
2.5°	1828.1	1825.7	1825.7	1825.7	1828.1
5°	1820.9	1818.4	1820.9	1820.9	1823.3
7.5°	1808.8	1806.4	1811.2	1813.6	1816.0
10°	1791.8	1791.8	1799.1	1803.9	1806.4
12.5°	1770.1	1770.1	1779.8	1787.0	1791.8
15°	1738.6	1741.1	1753.2	1765.2	1770.1
17.5°	1702.4	1709.6	1724.1	1741.1	1745.9
20°	1666.1	1670.9	1687.9	1709.6	1719.3
22.5°	1620.2	1627.4	1646.8	1675.8	1685.4
25°	1569.4	1579.0	1603.2	1634.7	1649.2
27.5°	1518.6	1525.8	1554.9	1591.1	1608.1
30°	1463.0	1472.6	1504.1	1545.2	1564.5
32.5°	1407.4	1414.6	1450.9	1494.4	1516.2
35°	1346.9	1356.6	1390.4	1441.2	1463.0
37.5°	1284.0	1296.1	1330.0	1383.2	1407.4
40°	1221.2	1228.4	1267.1	1320.3	1349.3
42.5°	1155.9	1165.5	1201.8	1259.9	1288.9
45°	1085.7	1097.8	1134.1	1192.1	1221.2
47.5°	1018.0	1030.1	1064.0	1122.0	1148.6
50°	950.3	957.6	991.4	1049.5	1080.9
52.5°	880.2	887.5	918.9	974.5	1003.5
55°	810.1	817.3	846.3	902.0	928.6
57.5°	737.5	742.4	771.4	822.2	848.8
60°	667.4	669.8	696.4	742.4	769.0
62.5°	592.4	594.9	614.2	667.4	691.6
65°	524.7	522.3	541.7	582.8	607.0
67.5°	454.6	454.6	471.5	507.8	527.2
70°	384.5	384.5	399.0	430.4	449.8
72.5°	319.2	319.2	331.3	355.5	370.0
75°	253.9	251.5	263.6	282.9	297.4
77.5°	193.5	193.5	198.3	215.2	224.9
80°	137.8	137.8	140.3	149.9	157.2
82.5°	87.1	87.1	87.1	91.9	94.3
85°	41.1	45.9	45.9	41.1	38.7
87.5°	19.3	19.3	16.9	16.9	16.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)