

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: P383801

Luminaire Tested: **22ID-50-L850-CFR1**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P383801
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1911-572-65)
Test Lab: INNOVATION CENTER (G2)
Issue Date: 2/25/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22ID-50-L850-CFR1
Description: 2X2 IN DEPTH TROFFER WITH 1INCH RECESSED COFFER LENS

Light Source: -
Ballast/Driver: -

Summary

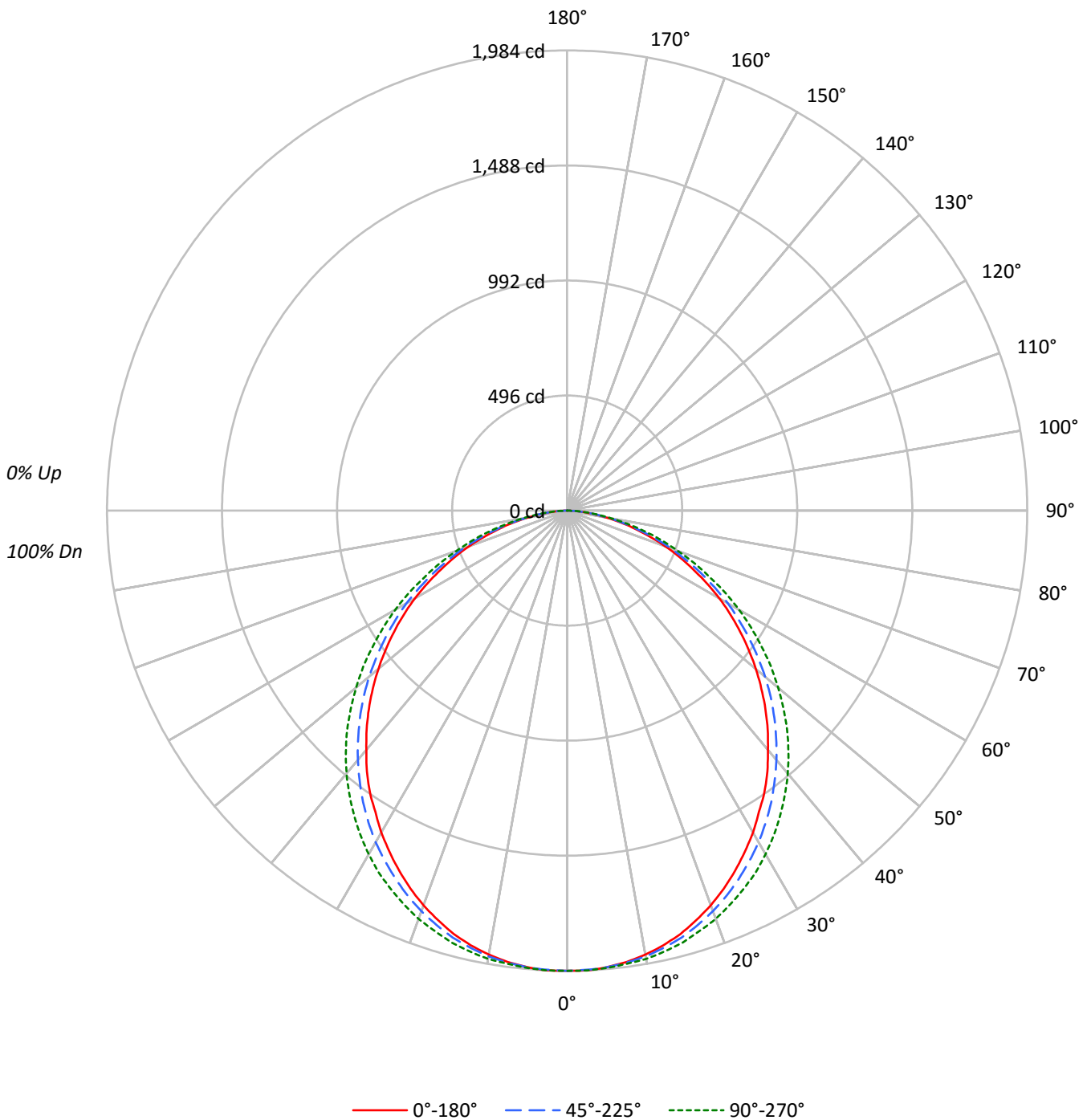
Lumens per Lamp: N/A
Luminaire Lumens: 5389.5 lumens
Efficiency: N/A
Efficacy: 129.9 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.28 / 1.35
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 41.5
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



TEST NUMBER: P383801
CATALOG NUMBER: 22ID-50-L850-CFR1

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	104	100	96	106	102	98	95	98	95	92		94	91	89		90	88	86	84
2	99	91	84	79	97	89	83	78	86	81	76		82	78	74		79	76	73	71
3	91	80	72	66	88	79	71	65	76	69	64		73	67	63		70	66	62	60
4	83	71	62	56	81	70	62	55	67	60	55		65	59	54		63	58	53	51
5	76	64	55	48	74	63	54	48	60	53	47		58	52	47		57	51	46	44
6	71	57	48	42	69	56	48	42	55	47	42		53	46	41		51	45	41	39
7	65	52	43	37	64	51	43	37	50	42	37		48	42	37		47	41	36	34
8	61	47	39	33	59	47	39	33	45	38	33		44	38	33		43	37	32	31
9	57	44	35	30	56	43	35	30	42	35	30		41	34	30		40	34	29	28
10	53	40	32	27	52	40	32	27	39	32	27		38	31	27		37	31	27	25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5340	5340	5340
5°	5338	5338	5346
10°	5311	5334	5363
15°	5264	5309	5370
20°	5186	5264	5365
25°	5087	5200	5345
30°	4978	5130	5315
35°	4871	5041	5263
40°	4733	4933	5200
45°	4601	4808	5107
50°	4449	4665	4971
55°	4274	4490	4808
60°	4085	4304	4611
65°	3815	4039	4316
70°	3541	3733	3989
75°	3157	3326	3608
80°	2647	2772	3025
85°	2010	2010	2260



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	187.8	3.5
10°-20°	537.4	10.0
20°-30°	808.1	15.0
30°-40°	961.3	17.8
40°-50°	978.1	18.1
50°-60°	860.8	16.0
60°-70°	631.5	11.7
70°-80°	342.8	6.4
80°-90°	81.8	1.5
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°	1533.3	28.4
0°-40°	2494.6	46.3
0°-60°	4333.5	80.4
0°-90°	5389.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5389.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1984	1984	1984	1984	1984	
5°	1976	1974	1976	1976	1979	188
15°	1890	1892	1906	1917	1928	532
25°	1713	1724	1751	1781	1800	789
35°	1483	1494	1534	1580	1602	926
45°	1209	1220	1263	1318	1342	932
55°	911	924	957	1003	1025	815
65°	599	610	634	662	678	595
75°	304	309	320	336	347	323
85°	65	65	65	70	73	79
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1984.5	1984.5	1984.5	1984.5	1984.5
2.5°	1984.5	1981.7	1981.7	1981.7	1984.5
5°	1976.3	1973.6	1976.3	1976.3	1979.0
7.5°	1962.8	1960.1	1965.5	1968.2	1970.9
10°	1943.8	1943.8	1951.9	1957.3	1962.8
12.5°	1919.4	1922.1	1930.2	1938.4	1946.5
15°	1889.6	1892.3	1905.8	1916.7	1927.5
17.5°	1851.6	1857.0	1873.3	1889.6	1900.4
20°	1811.0	1819.1	1838.1	1859.8	1873.3
22.5°	1764.9	1775.7	1797.4	1824.5	1838.1
25°	1713.4	1724.2	1751.3	1781.1	1800.1
27.5°	1659.1	1672.7	1702.5	1737.8	1759.4
30°	1602.2	1615.8	1651.0	1689.0	1710.6
32.5°	1539.9	1556.1	1594.1	1637.4	1659.1
35°	1482.9	1493.8	1534.4	1580.5	1602.2
37.5°	1417.9	1431.4	1469.4	1518.2	1542.6
40°	1347.4	1360.9	1404.3	1453.1	1480.2
42.5°	1279.6	1290.4	1333.8	1388.0	1412.4
45°	1209.1	1220.0	1263.3	1317.6	1341.9
47.5°	1135.9	1149.5	1190.1	1241.6	1266.0
50°	1062.7	1073.6	1114.2	1163.0	1187.4
52.5°	986.8	997.7	1035.6	1084.4	1108.8
55°	910.9	924.5	957.0	1003.1	1024.8
57.5°	835.0	848.5	878.4	921.7	940.7
60°	759.1	769.9	799.7	837.7	856.7
62.5°	677.8	685.9	715.7	753.7	769.9
65°	599.1	610.0	634.4	661.5	677.8
67.5°	525.9	531.4	553.0	582.9	593.7
70°	450.0	455.4	474.4	498.8	507.0
72.5°	374.1	382.3	395.8	417.5	428.3
75°	303.6	309.1	319.9	336.2	347.0
77.5°	235.9	238.6	246.7	260.3	268.4
80°	170.8	173.5	178.9	189.8	195.2
82.5°	113.9	116.6	119.3	124.7	130.1
85°	65.1	65.1	65.1	70.5	73.2
87.5°	24.4	21.7	21.7	21.7	21.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)