

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: P383970

Luminaire Tested: **22ID-55-L830-CFR2**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P383970
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-55-L830-CFR2
Description: 2X2 IN DEPTH TROFFER WITH 2INCH RECESSED COFFER LENS

Light Source: -
Ballast/Driver: -

Summary

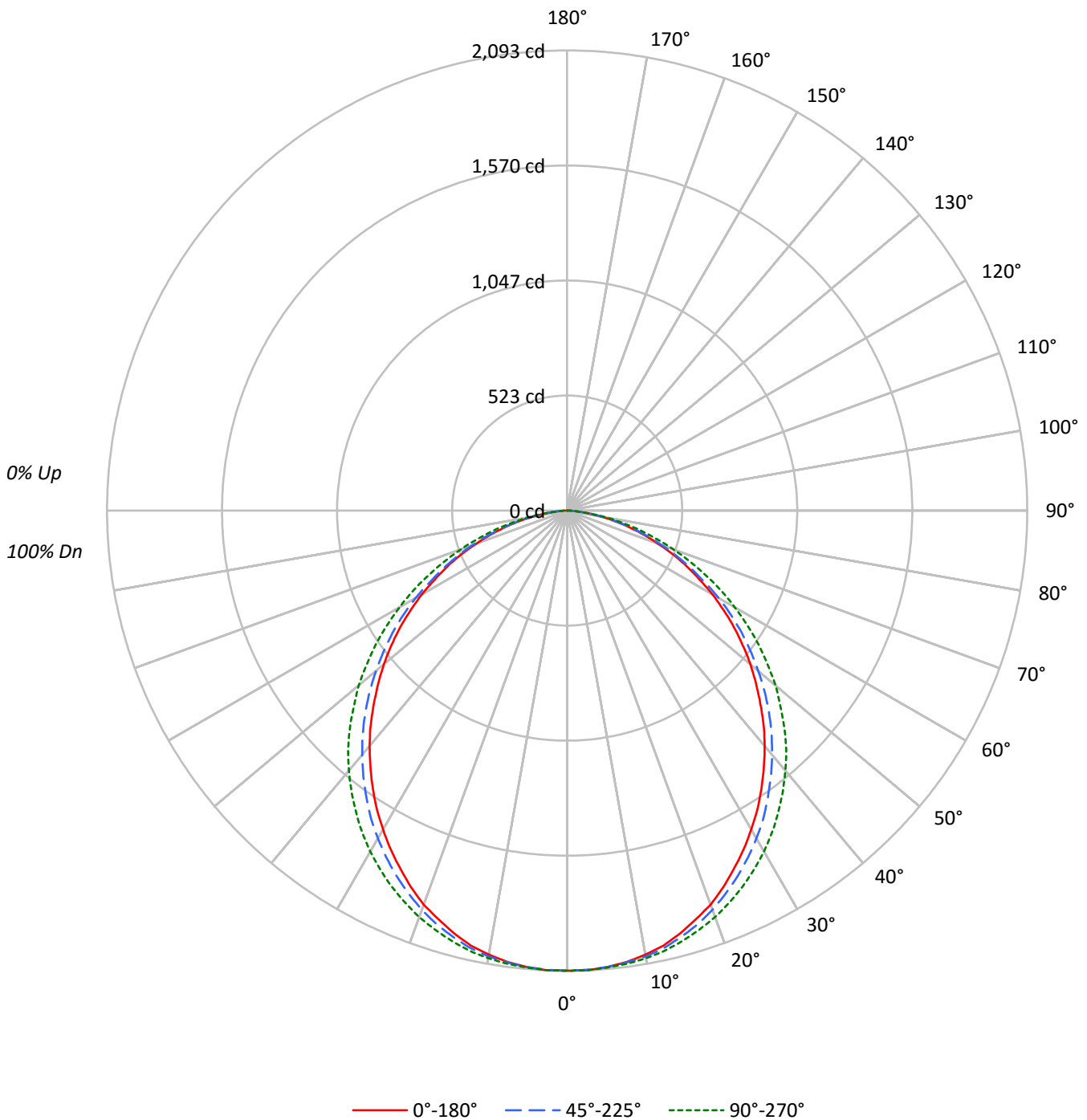
Lumens per Lamp: N/A
Luminaire Lumens: 5524.0 lumens
Efficiency: N/A
Efficacy: 120.3 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.27 / 1.33
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 45.9
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°	5631	5631	5631
5°	5630	5630	5638
10°	5604	5627	5650
15°	5545	5591	5645
20°	5461	5533	5636
25°	5334	5449	5605
30°	5203	5350	5565
35°	5065	5229	5501
40°	4910	5095	5426
45°	4730	4940	5319
50°	4554	4751	5180
55°	4351	4545	4987
60°	4112	4290	4737
65°	3824	3948	4424
70°	3463	3593	4050
75°	3021	3137	3540
80°	2445	2487	2788
85°	1454	1624	1368



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	198.1	3.6
10°-20°	566.2	10.2
20°-30°	847.0	15.3
30°-40°	1000.7	18.1
40°-50°	1009.7	18.3
50°-60°	876.9	15.9
60°-70°	628.8	11.4
70°-80°	327.6	5.9
80°-90°	69.1	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°	1611.3	29.2
0°-40°	2611.9	47.3
0°-60°	4498.5	81.4
0°-90°	5524.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5524.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2093	2093	2093	2093	2093	
5°	2084	2082	2084	2084	2087	198
15°	1990	1993	2007	2021	2026	561
25°	1796	1808	1835	1871	1888	828
35°	1542	1553	1592	1650	1675	964
45°	1243	1257	1298	1365	1398	960
55°	927	936	969	1032	1063	828
65°	601	598	620	667	695	594
75°	291	288	302	324	340	310
85°	47	53	53	47	44	67
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2092.6	2092.6	2092.6	2092.6	2092.6
2.5°	2092.6	2089.8	2089.8	2089.8	2092.6
5°	2084.3	2081.5	2084.3	2084.3	2087.0
7.5°	2070.4	2067.7	2073.2	2076.0	2078.7
10°	2051.0	2051.0	2059.3	2064.9	2067.7
12.5°	2026.1	2026.1	2037.2	2045.5	2051.0
15°	1990.2	1992.9	2006.8	2020.6	2026.1
17.5°	1948.6	1956.9	1973.5	1992.9	1998.5
20°	1907.1	1912.6	1932.0	1956.9	1968.0
22.5°	1854.5	1862.8	1885.0	1918.2	1929.3
25°	1796.4	1807.5	1835.1	1871.1	1887.7
27.5°	1738.3	1746.6	1779.8	1821.3	1840.7
30°	1674.6	1685.7	1721.7	1768.7	1790.9
32.5°	1610.9	1619.2	1660.8	1710.6	1735.5
35°	1541.7	1552.8	1591.6	1649.7	1674.6
37.5°	1469.8	1483.6	1522.4	1583.3	1610.9
40°	1397.8	1406.1	1450.4	1511.3	1544.5
42.5°	1323.1	1334.1	1375.7	1442.1	1475.3
45°	1242.8	1256.6	1298.2	1364.6	1397.8
47.5°	1165.3	1179.1	1217.9	1284.3	1314.8
50°	1087.8	1096.1	1134.9	1201.3	1237.3
52.5°	1007.5	1015.8	1051.8	1115.5	1148.7
55°	927.3	935.6	968.8	1032.4	1062.9
57.5°	844.2	849.8	883.0	941.1	971.5
60°	764.0	766.7	797.2	849.8	880.2
62.5°	678.1	680.9	703.1	764.0	791.6
65°	600.6	597.9	620.0	667.1	694.8
67.5°	520.4	520.4	539.7	581.3	603.4
70°	440.1	440.1	456.7	492.7	514.8
72.5°	365.4	365.4	379.2	406.9	423.5
75°	290.6	287.9	301.7	323.8	340.5
77.5°	221.4	221.4	227.0	246.3	257.4
80°	157.8	157.8	160.5	171.6	179.9
82.5°	99.6	99.6	99.6	105.2	107.9
85°	47.1	52.6	52.6	47.1	44.3
87.5°	22.1	22.1	19.4	19.4	19.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)