

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: P383808

Luminaire Tested: **22ID-60-L840-CFR1**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P383808
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-60-L840-CFR1
Description: 2X2 IN DEPTH TROFFER WITH 1INCH RECESSED COFFER LENS

Light Source: -
Ballast/Driver: -

Summary

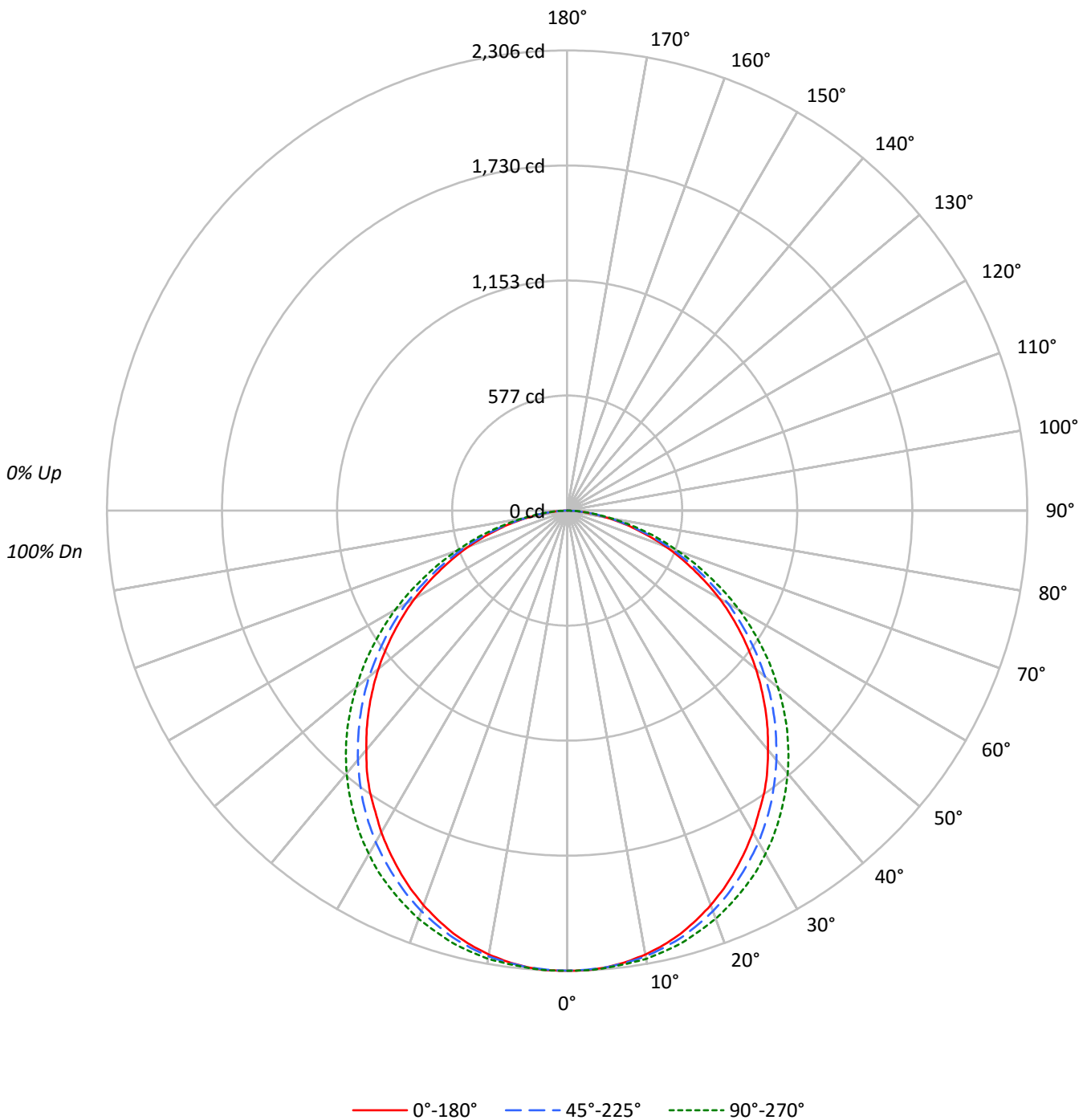
Lumens per Lamp: N/A
Luminaire Lumens: 6262.8 lumens
Efficiency: N/A
Efficacy: 121.8 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.28 / 1.35
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 51.4
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	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°	6205	6205	6205
5°	6204	6204	6212
10°	6172	6198	6232
15°	6117	6170	6240
20°	6026	6117	6234
25°	5912	6043	6211
30°	5785	5961	6177
35°	5661	5858	6116
40°	5500	5733	6042
45°	5347	5587	5934
50°	5170	5421	5776
55°	4966	5218	5587
60°	4747	5001	5358
65°	4433	4694	5015
70°	4114	4338	4635
75°	3668	3865	4192
80°	3076	3222	3515
85°	2334	2334	2628



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	218.3	3.5
10°-20°	624.5	10.0
20°-30°	939.0	15.0
30°-40°	1117.1	17.8
40°-50°	1136.6	18.1
50°-60°	1000.3	16.0
60°-70°	733.8	11.7
70°-80°	398.3	6.4
80°-90°	95.0	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°	1781.8	28.4
0°-40°	2898.8	46.3
0°-60°	5035.7	80.4
0°-90°	6262.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6262.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2306	2306	2306	2306	2306	
5°	2297	2293	2297	2297	2300	218
15°	2196	2199	2215	2227	2240	619
25°	1991	2004	2035	2070	2092	917
35°	1723	1736	1783	1837	1862	1076
45°	1405	1418	1468	1531	1559	1083
55°	1058	1074	1112	1166	1191	947
65°	696	709	737	769	788	692
75°	353	359	372	391	403	375
85°	76	76	76	82	85	91
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2306.0	2306.0	2306.0	2306.0	2306.0
2.5°	2306.0	2302.9	2302.9	2302.9	2306.0
5°	2296.6	2293.4	2296.6	2296.6	2299.7
7.5°	2280.8	2277.7	2284.0	2287.1	2290.3
10°	2258.8	2258.8	2268.2	2274.5	2280.8
12.5°	2230.4	2233.6	2243.0	2252.5	2261.9
15°	2195.8	2198.9	2214.7	2227.3	2239.9
17.5°	2151.7	2158.0	2176.9	2195.8	2208.4
20°	2104.4	2113.8	2135.9	2161.1	2176.9
22.5°	2050.8	2063.4	2088.6	2120.1	2135.9
25°	1991.0	2003.6	2035.1	2069.7	2091.8
27.5°	1928.0	1943.7	1978.4	2019.3	2044.5
30°	1861.8	1877.6	1918.5	1962.6	1987.8
32.5°	1789.4	1808.3	1852.4	1902.8	1928.0
35°	1723.2	1735.8	1783.1	1836.6	1861.8
37.5°	1647.6	1663.4	1707.5	1764.2	1792.5
40°	1565.7	1581.4	1631.9	1688.6	1720.1
42.5°	1486.9	1499.5	1549.9	1613.0	1641.3
45°	1405.0	1417.6	1468.0	1531.0	1559.4
47.5°	1320.0	1335.7	1383.0	1442.8	1471.2
50°	1234.9	1247.5	1294.8	1351.5	1379.8
52.5°	1146.7	1159.3	1203.4	1260.1	1288.5
55°	1058.5	1074.3	1112.1	1165.6	1190.8
57.5°	970.3	986.0	1020.7	1071.1	1093.2
60°	882.1	894.7	929.3	973.4	995.5
62.5°	787.6	797.0	831.7	875.8	894.7
65°	696.2	708.8	737.2	768.7	787.6
67.5°	611.2	617.5	642.7	677.3	689.9
70°	522.9	529.2	551.3	579.7	589.1
72.5°	434.7	444.2	459.9	485.1	497.7
75°	352.8	359.1	371.7	390.6	403.2
77.5°	274.1	277.2	286.7	302.4	311.9
80°	198.5	201.6	207.9	220.5	226.8
82.5°	132.3	135.5	138.6	144.9	151.2
85°	75.6	75.6	75.6	81.9	85.1
87.5°	28.4	25.2	25.2	25.2	25.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)