

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: P383861

Luminaire Tested: **24ID-60-L850-CFR1**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P383861
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: 24ID-60-L850-CFR1
Description: 2X4 IN DEPTH TROFFER WITH 1INCH RECESSED COFFER LENS

Light Source: -
Ballast/Driver: -

Summary

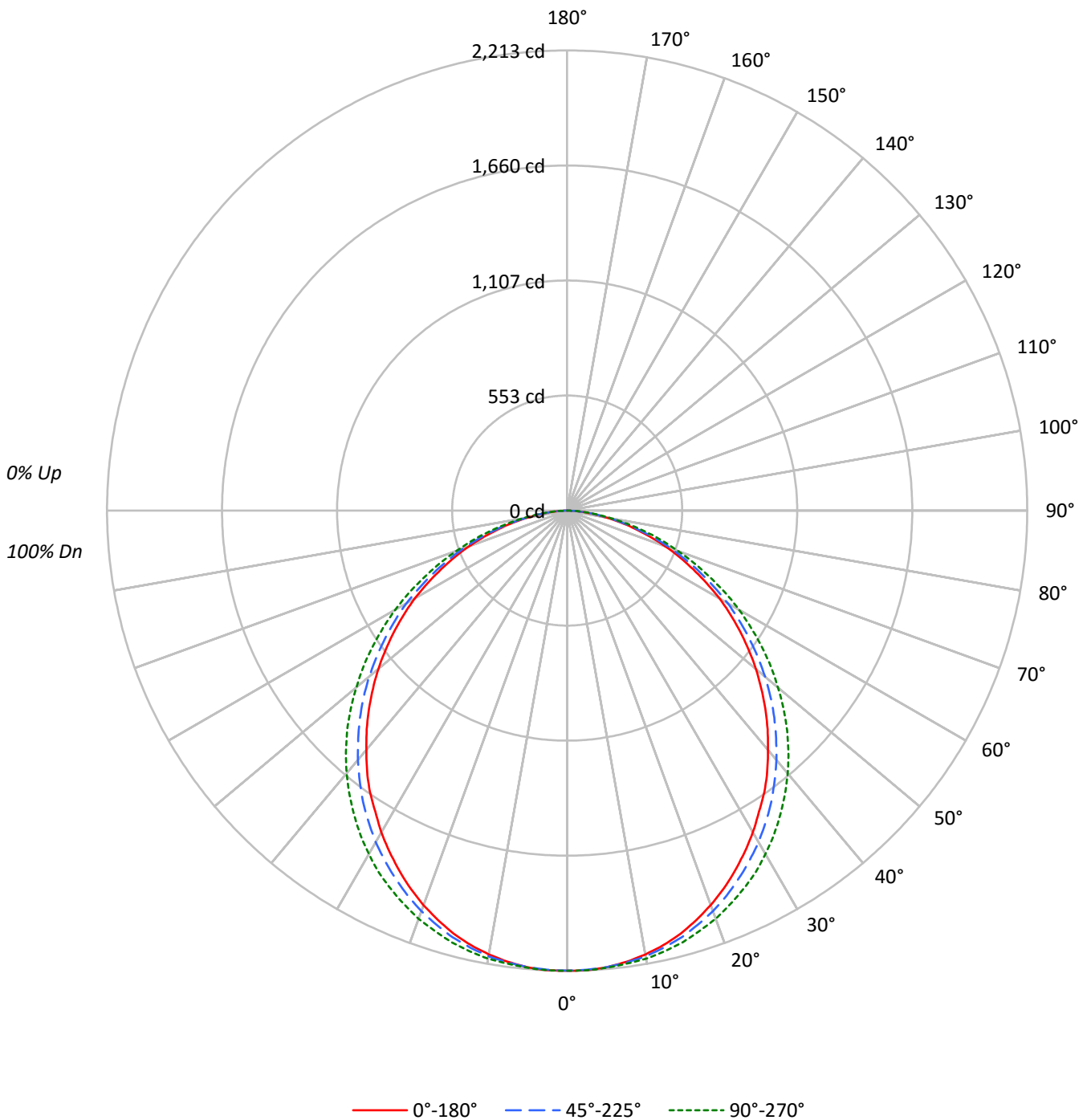
Lumens per Lamp: N/A
Luminaire Lumens: 6009.7 lumens
Efficiency: N/A
Efficacy: 110.1 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.28 / 1.35
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 54.6
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°	2977	2977	2977
5°	2977	2977	2981
10°	2961	2974	2990
15°	2935	2960	2994
20°	2891	2935	2991
25°	2836	2899	2980
30°	2776	2860	2964
35°	2716	2810	2935
40°	2639	2750	2899
45°	2565	2680	2847
50°	2480	2601	2772
55°	2383	2503	2681
60°	2278	2400	2571
65°	2127	2252	2406
70°	1974	2081	2224
75°	1760	1854	2011
80°	1475	1546	1687
85°	1121	1121	1260



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	209.4	3.5
10°-20°	599.3	10.0
20°-30°	901.1	15.0
30°-40°	1071.9	17.8
40°-50°	1090.7	18.1
50°-60°	959.9	16.0
60°-70°	704.1	11.7
70°-80°	382.2	6.4
80°-90°	91.2	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°	1709.8	28.4
0°-40°	2781.7	46.3
0°-60°	4832.2	80.4
0°-90°	6009.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6009.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2213	2213	2213	2213	2213	
5°	2204	2201	2204	2204	2207	209
15°	2107	2110	2125	2137	2149	594
25°	1910	1923	1953	1986	2007	880
35°	1654	1666	1711	1762	1787	1033
45°	1348	1360	1409	1469	1496	1039
55°	1016	1031	1067	1118	1143	908
65°	668	680	707	738	756	664
75°	339	345	357	375	387	360
85°	73	73	73	79	82	88
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2212.8	2212.8	2212.8	2212.8	2212.8
2.5°	2212.8	2209.8	2209.8	2209.8	2212.8
5°	2203.8	2200.7	2203.8	2203.8	2206.8
7.5°	2188.6	2185.6	2191.7	2194.7	2197.7
10°	2167.5	2167.5	2176.5	2182.6	2188.6
12.5°	2140.3	2143.3	2152.4	2161.4	2170.5
15°	2107.0	2110.0	2125.2	2137.2	2149.3
17.5°	2064.7	2070.7	2088.9	2107.0	2119.1
20°	2019.4	2028.4	2049.6	2073.8	2088.9
22.5°	1968.0	1980.1	2004.2	2034.5	2049.6
25°	1910.5	1922.6	1952.8	1986.1	2007.3
27.5°	1850.1	1865.2	1898.4	1937.7	1961.9
30°	1786.6	1801.7	1841.0	1883.3	1907.5
32.5°	1717.1	1735.2	1777.5	1825.9	1850.1
35°	1653.6	1665.7	1711.0	1762.4	1786.6
37.5°	1581.0	1596.1	1638.5	1692.9	1720.1
40°	1502.4	1517.5	1565.9	1620.3	1650.5
42.5°	1426.8	1438.9	1487.3	1547.8	1575.0
45°	1348.2	1360.3	1408.7	1469.2	1496.4
47.5°	1266.6	1281.7	1327.1	1384.5	1411.7
50°	1185.0	1197.1	1242.4	1296.9	1324.1
52.5°	1100.4	1112.5	1154.8	1209.2	1236.4
55°	1015.7	1030.8	1067.1	1118.5	1142.7
57.5°	931.1	946.2	979.4	1027.8	1049.0
60°	846.4	858.5	891.8	934.1	955.3
62.5°	755.7	764.8	798.1	840.4	858.5
65°	668.1	680.2	707.4	737.6	755.7
67.5°	586.5	592.5	616.7	649.9	662.0
70°	501.8	507.9	529.0	556.2	565.3
72.5°	417.2	426.2	441.4	465.5	477.6
75°	338.6	344.6	356.7	374.8	386.9
77.5°	263.0	266.0	275.1	290.2	299.3
80°	190.4	193.5	199.5	211.6	217.7
82.5°	127.0	130.0	133.0	139.1	145.1
85°	72.6	72.6	72.6	78.6	81.6
87.5°	27.2	24.2	24.2	24.2	24.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)