

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: P385321

Luminaire Tested: **22ID-60-L850-CNV**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P385321
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1911-572-73)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 2/25/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22ID-60-L850-CNV
Description: 2X2 IN DEPTH TROFFER WITH CONVEX LENS

Light Source: -
Ballast/Driver: -

Summary

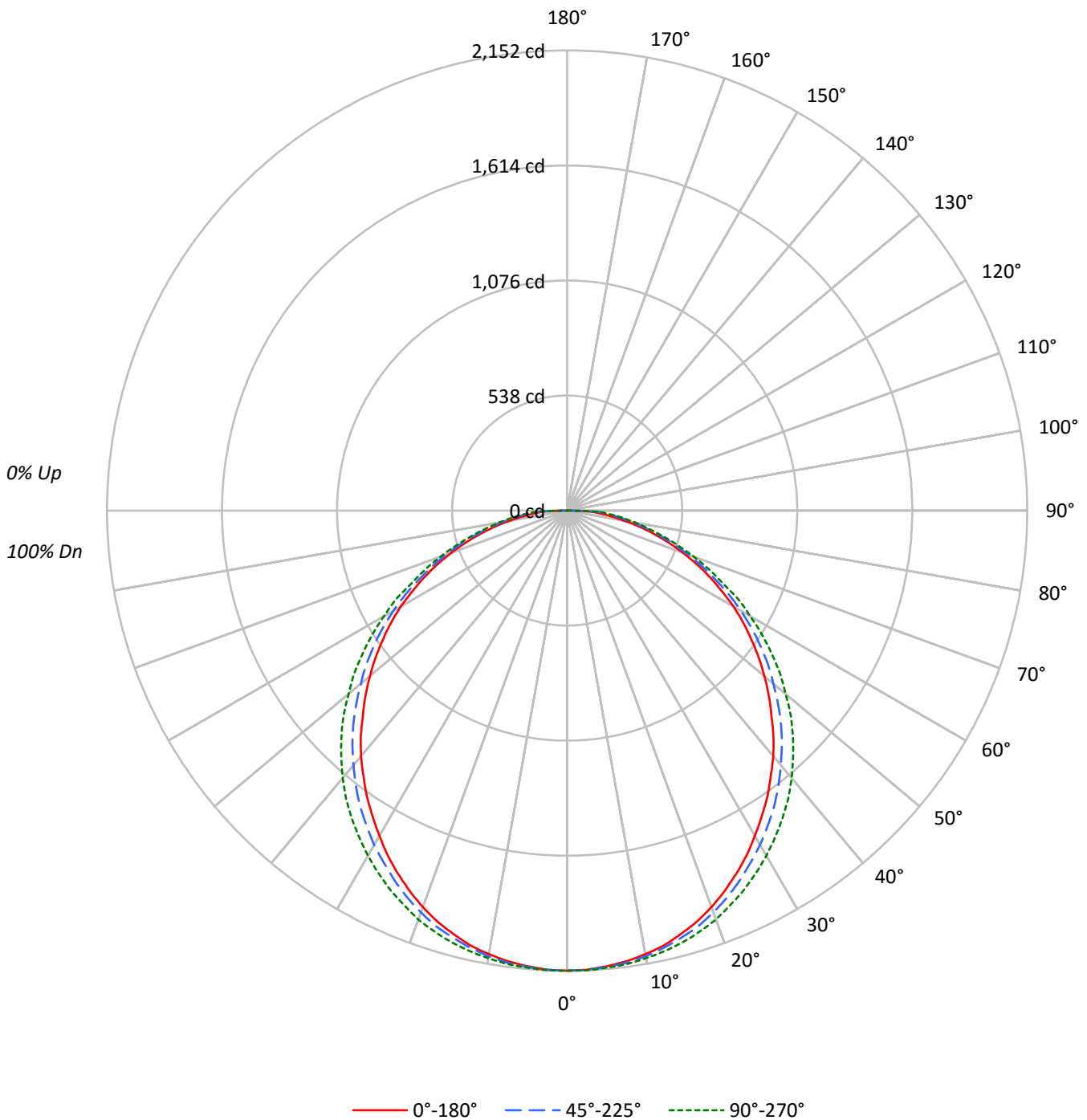
Lumens per Lamp: N/A
Luminaire Lumens: 6241.6 lumens
Efficiency: N/A
Efficacy: 121.4 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.28 / 1.37
Luminous Opening: Rectangular w/ Sides (W: 2' x L: 2' x H: 0.17')
CIE Type: Direct

Input Watts (W): 51.4
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	108	103	99	94	105	101	97	93	96	93	90	93	90	87	89	87	85	82
2	98	90	82	77	95	88	81	76	84	79	74	81	76	72	78	74	70	68
3	89	78	70	63	87	77	69	63	74	67	62	71	65	61	68	64	60	57
4	82	69	60	54	79	68	60	53	66	58	52	63	57	52	61	56	51	49
5	75	62	53	46	73	61	52	46	59	51	45	57	50	45	55	49	44	42
6	69	56	47	40	67	55	46	40	53	45	40	51	44	39	50	44	39	37
7	64	51	42	35	63	50	41	35	48	41	35	47	40	35	45	39	35	33
8	60	46	38	32	58	45	37	32	44	37	31	43	36	31	42	36	31	29
9	56	42	34	28	54	42	34	28	41	33	28	40	33	28	38	32	28	26
10	52	39	31	26	51	39	31	26	38	30	26	37	30	25	36	30	25	24

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5791	5791	5791
5°	5736	5728	5754
10°	5673	5665	5725
15°	5590	5584	5696
20°	5485	5490	5656
25°	5353	5371	5594
30°	5206	5250	5523
35°	5068	5122	5451
40°	4924	4970	5360
45°	4743	4818	5245
50°	4586	4623	5080
55°	4409	4432	4899
60°	4229	4192	4656
65°	3980	3893	4331
70°	3678	3569	4031
75°	3321	3211	3681
80°	2835	2834	3381
85°	2413	2561	3234



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	203.6	3.3
10°-20°	583.5	9.3
20°-30°	880.6	14.1
30°-40°	1057.0	16.9
40°-50°	1093.8	17.5
50°-60°	991.0	15.9
60°-70°	763.5	12.2
70°-80°	472.4	7.6
80°-90°	196.2	3.1
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°	1667.7	26.7
0°-40°	2724.7	43.7
0°-60°	4809.5	77.1
0°-90°	6241.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6241.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2152	2152	2152	2152	2152	
5°	2139	2139	2142	2142	2146	203
15°	2051	2055	2068	2081	2090	579
25°	1873	1879	1908	1941	1957	863
35°	1633	1646	1688	1733	1756	1021
45°	1350	1370	1415	1467	1493	1044
55°	1052	1068	1104	1152	1168	942
65°	737	743	766	798	802	729
75°	419	428	445	464	464	443
85°	153	169	195	208	204	165
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2152.0	2152.0	2152.0	2152.0	2152.0
2.5°	2148.7	2148.7	2148.7	2148.7	2152.0
5°	2139.0	2139.0	2142.2	2142.2	2145.5
7.5°	2126.0	2126.0	2132.5	2132.5	2139.0
10°	2106.5	2109.8	2116.3	2119.5	2126.0
12.5°	2083.8	2083.8	2093.6	2103.3	2109.8
15°	2051.4	2054.6	2067.6	2080.6	2090.3
17.5°	2015.7	2018.9	2038.4	2051.4	2064.3
20°	1973.5	1976.7	1999.4	2018.9	2035.1
22.5°	1924.8	1931.3	1957.2	1983.2	1996.2
25°	1872.8	1879.3	1908.5	1941.0	1957.2
27.5°	1817.7	1827.4	1856.6	1892.3	1911.8
30°	1756.0	1769.0	1804.7	1843.6	1863.1
32.5°	1694.3	1707.3	1746.2	1791.7	1811.2
35°	1632.6	1645.6	1687.8	1733.3	1756.0
37.5°	1564.5	1577.5	1622.9	1671.6	1697.6
40°	1499.6	1512.6	1554.7	1609.9	1632.6
42.5°	1428.2	1441.1	1486.6	1538.5	1564.5
45°	1350.3	1369.7	1415.2	1467.1	1493.1
47.5°	1278.9	1295.1	1337.3	1392.5	1418.4
50°	1204.2	1220.4	1259.4	1314.6	1334.0
52.5°	1129.5	1145.8	1184.7	1236.7	1256.1
55°	1051.6	1067.9	1103.6	1152.3	1168.5
57.5°	977.0	990.0	1022.4	1067.9	1080.9
60°	899.1	912.1	938.0	980.2	990.0
62.5°	814.7	824.4	853.7	892.6	905.6
65°	736.8	743.3	766.0	798.5	801.7
67.5°	655.7	662.1	684.9	707.6	717.3
70°	574.5	584.2	600.5	623.2	629.7
72.5°	496.6	506.3	522.6	542.1	545.3
75°	418.7	428.4	444.7	464.2	464.2
77.5°	344.1	353.8	373.3	389.5	389.5
80°	269.4	285.6	305.1	321.3	321.3
82.5°	207.7	220.7	246.7	259.7	259.7
85°	152.6	168.8	194.7	207.7	204.5
87.5°	110.4	126.6	149.3	159.0	155.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)