

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: P385203

Luminaire Tested: **24ID-60-L835-CNC**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P385203
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1911-572-72)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 2/25/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 24ID-60-L835-CNC
Description: 2X4 IN DEPTH TROFFER WITH CONCAVE LENS

Light Source: -
Ballast/Driver: -

Summary

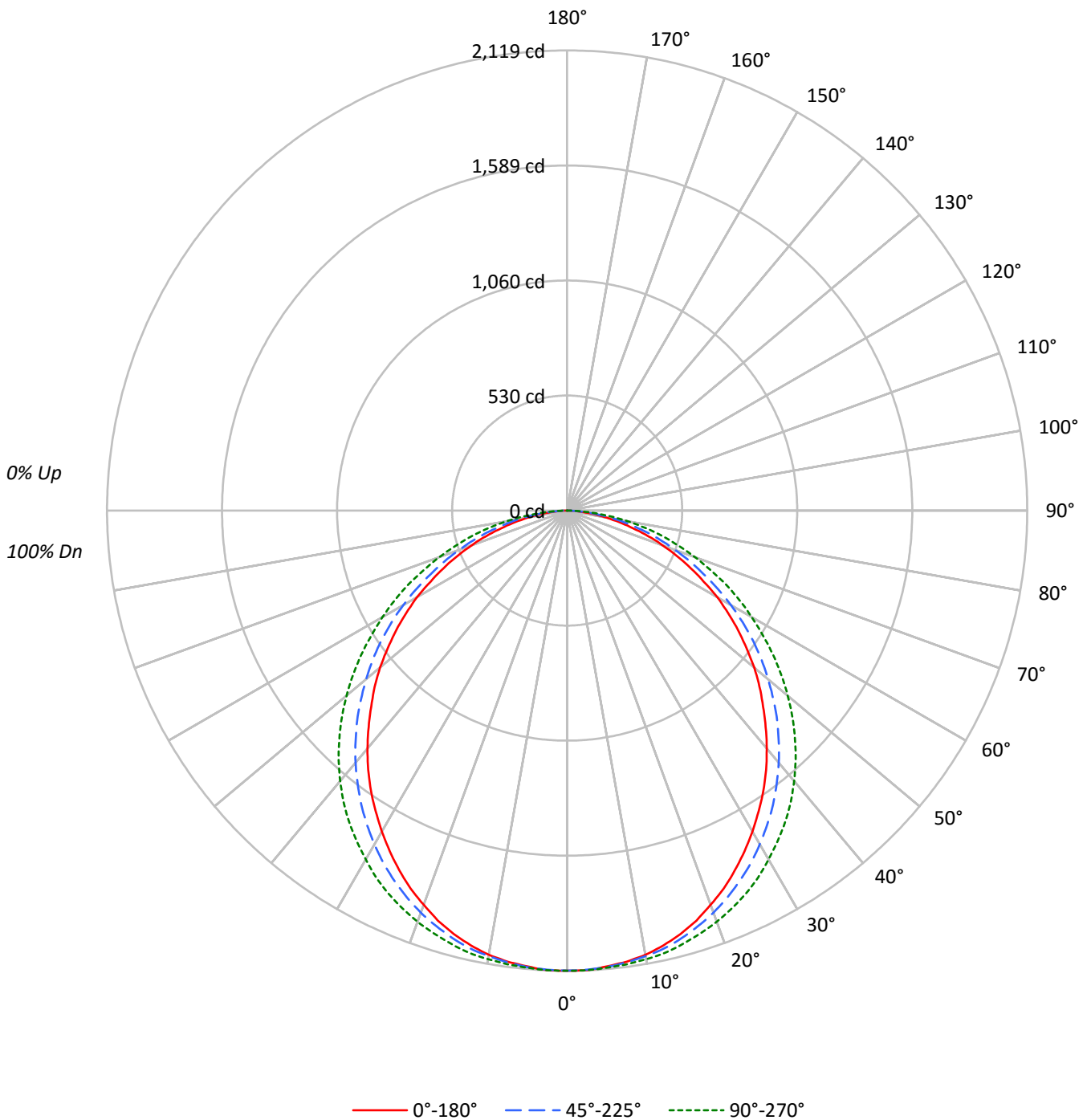
Lumens per Lamp: N/A
Luminaire Lumens: 5883.1 lumens
Efficiency: N/A
Efficacy: 107.9 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.3 / 1.36
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 54.5
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	104	100	96	106	102	98	94	98	94	91	94	91	89	90	88	86	84
2	99	91	84	78	96	89	83	77	85	80	75	82	78	74	79	75	72	70
3	90	80	72	65	88	78	71	65	75	69	63	72	67	62	70	65	61	59
4	83	71	62	55	80	69	61	55	67	60	54	65	58	53	62	57	53	50
5	76	63	54	48	74	62	54	47	60	52	47	58	51	46	56	50	46	44
6	70	57	48	42	68	56	48	41	54	47	41	52	46	41	51	45	40	38
7	65	52	43	37	63	51	42	37	49	42	36	48	41	36	46	40	36	34
8	61	47	39	33	59	46	38	33	45	38	32	44	37	32	43	37	32	30
9	57	43	35	29	55	43	35	29	42	34	29	40	34	29	39	33	29	27
10	53	40	32	27	52	39	32	27	38	31	27	37	31	26	37	31	26	25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2851	2851	2851
5°	2846	2850	2854
10°	2838	2846	2867
15°	2811	2840	2877
20°	2766	2821	2885
25°	2714	2793	2890
30°	2651	2757	2882
35°	2588	2715	2876
40°	2512	2664	2856
45°	2428	2603	2823
50°	2354	2528	2777
55°	2255	2450	2715
60°	2148	2348	2643
65°	2003	2211	2570
70°	1845	2078	2463
75°	1635	1929	2360
80°	1380	1725	2184
85°	1008	1329	1741



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	200.6	3.4
10°-20°	575.4	9.8
20°-30°	867.8	14.8
30°-40°	1036.1	17.6
40°-50°	1058.9	18.0
50°-60°	938.9	16.0
60°-70°	700.0	11.9
70°-80°	399.9	6.8
80°-90°	105.5	1.8
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°	1643.8	27.9
0°-40°	2679.9	45.6
0°-60°	4677.8	79.5
0°-90°	5883.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5883.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2119	2119	2119	2119	2119	
5°	2107	2107	2110	2110	2113	200
15°	2018	2024	2039	2057	2066	569
25°	1828	1843	1882	1923	1947	842
35°	1576	1597	1653	1718	1751	984
45°	1276	1303	1368	1442	1484	986
55°	962	979	1045	1119	1157	859
65°	629	644	694	766	807	624
75°	315	329	371	427	454	336
85°	65	68	86	107	113	82
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2118.9	2118.9	2118.9	2118.9	2118.9
2.5°	2118.9	2115.9	2115.9	2115.9	2118.9
5°	2107.0	2107.0	2110.0	2110.0	2113.0
7.5°	2095.1	2095.1	2098.1	2101.1	2107.0
10°	2077.3	2077.3	2083.3	2092.2	2098.1
12.5°	2050.6	2053.6	2065.5	2077.3	2086.2
15°	2018.0	2023.9	2038.8	2056.6	2065.5
17.5°	1979.4	1985.3	2006.1	2029.9	2041.7
20°	1931.9	1943.8	1970.5	2000.2	2015.0
22.5°	1884.4	1896.3	1929.0	1964.6	1982.4
25°	1828.1	1842.9	1881.5	1923.0	1946.8
27.5°	1768.7	1786.5	1831.0	1878.5	1905.2
30°	1706.4	1727.2	1774.6	1828.1	1854.8
32.5°	1641.1	1661.9	1715.3	1774.6	1804.3
35°	1575.8	1596.6	1653.0	1718.3	1750.9
37.5°	1504.6	1525.4	1584.7	1655.9	1691.5
40°	1430.4	1454.1	1516.5	1587.7	1626.3
42.5°	1353.2	1379.9	1442.3	1519.4	1558.0
45°	1276.1	1302.8	1368.1	1442.3	1483.8
47.5°	1201.9	1222.7	1288.0	1365.1	1406.7
50°	1124.7	1142.5	1207.8	1285.0	1326.5
52.5°	1041.6	1065.4	1127.7	1204.9	1243.4
55°	961.5	979.3	1044.6	1118.8	1157.4
57.5°	878.4	896.2	958.5	1032.7	1068.3
60°	798.3	816.1	872.5	946.7	982.3
62.5°	709.3	727.1	783.5	860.6	896.2
65°	629.1	644.0	694.4	765.6	807.2
67.5°	549.0	563.8	611.3	679.6	712.2
70°	468.9	480.8	528.2	590.6	626.2
72.5°	391.7	403.6	451.1	507.5	537.1
75°	314.6	329.4	371.0	427.3	454.0
77.5°	243.3	258.2	293.8	344.2	368.0
80°	178.1	189.9	222.6	261.2	281.9
82.5°	118.7	127.6	151.3	184.0	198.8
85°	65.3	68.3	86.1	106.8	112.8
87.5°	26.7	26.7	32.6	35.6	38.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)