

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: P385202

Luminaire Tested: **24ID-60-L830-CNC**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P385202
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-L830-CNC
Description: 2X4 IN DEPTH TROFFER WITH CONCAVE LENS

Light Source: -
Ballast/Driver: -

Summary

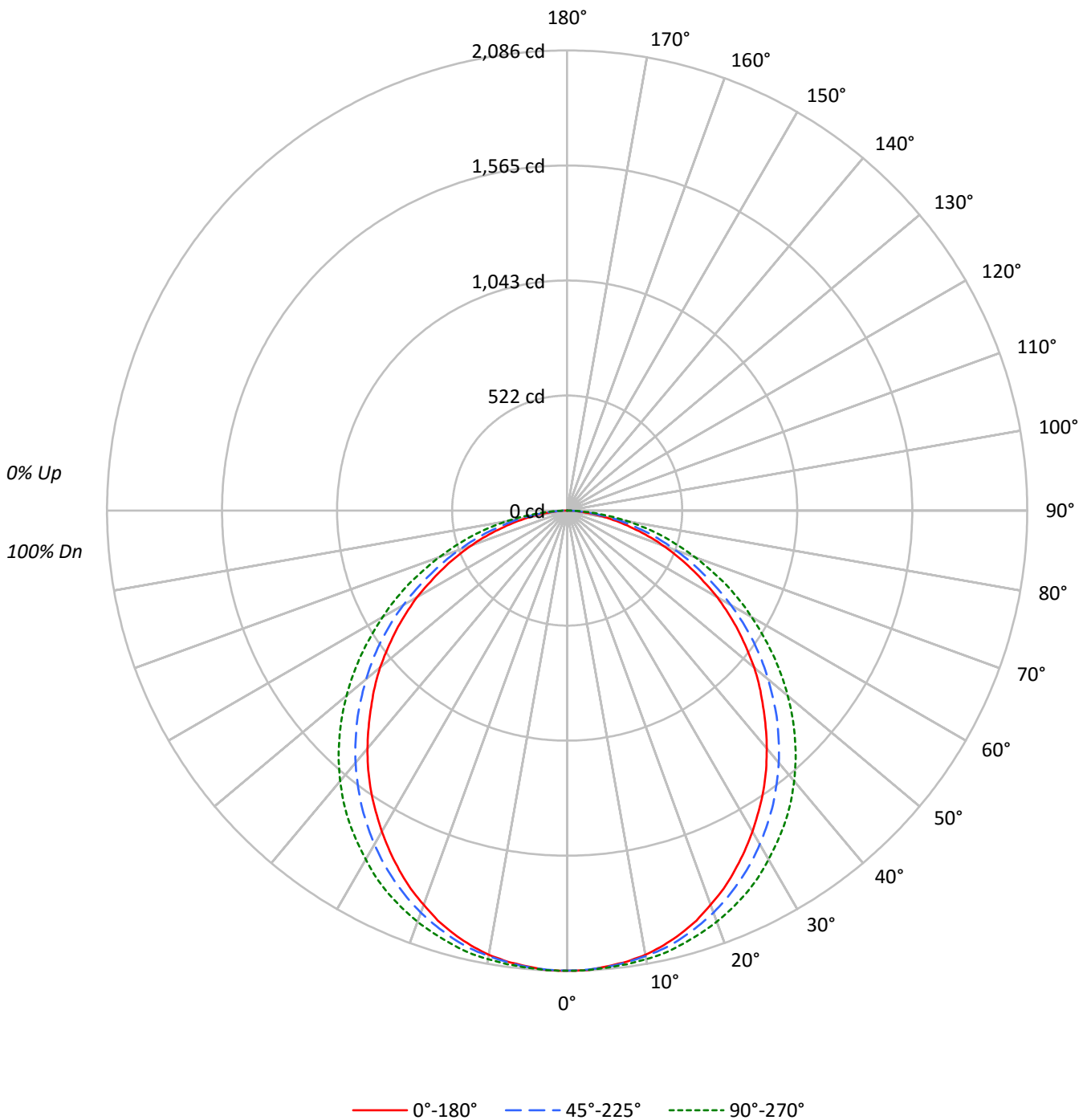
Lumens per Lamp: N/A
Luminaire Lumens: 5791.2 lumens
Efficiency: N/A
Efficacy: 106.3 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.3 / 1.36
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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°	2806	2806	2806
5°	2801	2805	2809
10°	2794	2802	2822
15°	2767	2796	2832
20°	2723	2777	2840
25°	2672	2750	2845
30°	2610	2714	2837
35°	2548	2673	2831
40°	2473	2622	2812
45°	2390	2563	2779
50°	2318	2489	2733
55°	2220	2412	2673
60°	2115	2311	2602
65°	1972	2176	2530
70°	1816	2046	2425
75°	1610	1899	2324
80°	1358	1698	2150
85°	993	1308	1714



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	197.4	3.4
10°-20°	566.4	9.8
20°-30°	854.3	14.8
30°-40°	1019.9	17.6
40°-50°	1042.4	18.0
50°-60°	924.3	16.0
60°-70°	689.0	11.9
70°-80°	393.6	6.8
80°-90°	103.8	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°	1618.2	27.9
0°-40°	2638.1	45.6
0°-60°	4604.7	79.5
0°-90°	5791.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5791.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2086	2086	2086	2086	2086	
5°	2074	2074	2077	2077	2080	197
15°	1986	1992	2007	2024	2033	560
25°	1800	1814	1852	1893	1916	829
35°	1551	1572	1627	1691	1724	969
45°	1256	1282	1347	1420	1461	970
55°	946	964	1028	1101	1139	846
65°	619	634	684	754	795	614
75°	310	324	365	421	447	330
85°	64	67	85	105	111	80
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2085.8	2085.8	2085.8	2085.8	2085.8
2.5°	2085.8	2082.9	2082.9	2082.9	2085.8
5°	2074.1	2074.1	2077.0	2077.0	2079.9
7.5°	2062.4	2062.4	2065.3	2068.3	2074.1
10°	2044.9	2044.9	2050.7	2059.5	2065.3
12.5°	2018.6	2021.5	2033.2	2044.9	2053.7
15°	1986.5	1992.3	2006.9	2024.4	2033.2
17.5°	1948.5	1954.3	1974.8	1998.1	2009.8
20°	1901.7	1913.4	1939.7	1968.9	1983.5
22.5°	1855.0	1866.7	1898.8	1933.9	1951.4
25°	1799.5	1814.1	1852.1	1893.0	1916.4
27.5°	1741.1	1758.6	1802.4	1849.2	1875.5
30°	1679.7	1700.2	1746.9	1799.5	1825.8
32.5°	1615.5	1635.9	1688.5	1746.9	1776.1
35°	1551.2	1571.6	1627.1	1691.4	1723.6
37.5°	1481.1	1501.5	1560.0	1630.1	1665.1
40°	1408.1	1431.4	1492.8	1562.9	1600.9
42.5°	1332.1	1358.4	1419.7	1495.7	1533.7
45°	1256.1	1282.4	1346.7	1419.7	1460.6
47.5°	1183.1	1203.6	1267.8	1343.8	1384.7
50°	1107.2	1124.7	1189.0	1264.9	1305.8
52.5°	1025.4	1048.7	1110.1	1186.0	1224.0
55°	946.5	964.0	1028.3	1101.3	1139.3
57.5°	864.7	882.2	943.6	1016.6	1051.7
60°	785.8	803.3	858.9	931.9	966.9
62.5°	698.2	715.7	771.2	847.2	882.2
65°	619.3	633.9	683.6	753.7	794.6
67.5°	540.4	555.0	601.8	669.0	701.1
70°	461.6	473.2	520.0	581.3	616.4
72.5°	385.6	397.3	444.0	499.5	528.8
75°	309.7	324.3	365.2	420.7	447.0
77.5°	239.5	254.2	289.2	338.9	362.2
80°	175.3	187.0	219.1	257.1	277.5
82.5°	116.9	125.6	149.0	181.1	195.7
85°	64.3	67.2	84.7	105.2	111.0
87.5°	26.3	26.3	32.1	35.1	38.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)