

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: P385206

Luminaire Tested: **24ID-65-L830-CNC**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P385206
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-65-L830-CNC
Description: 2X4 IN DEPTH TROFFER WITH CONCAVE LENS

Light Source: -
Ballast/Driver: -

Summary

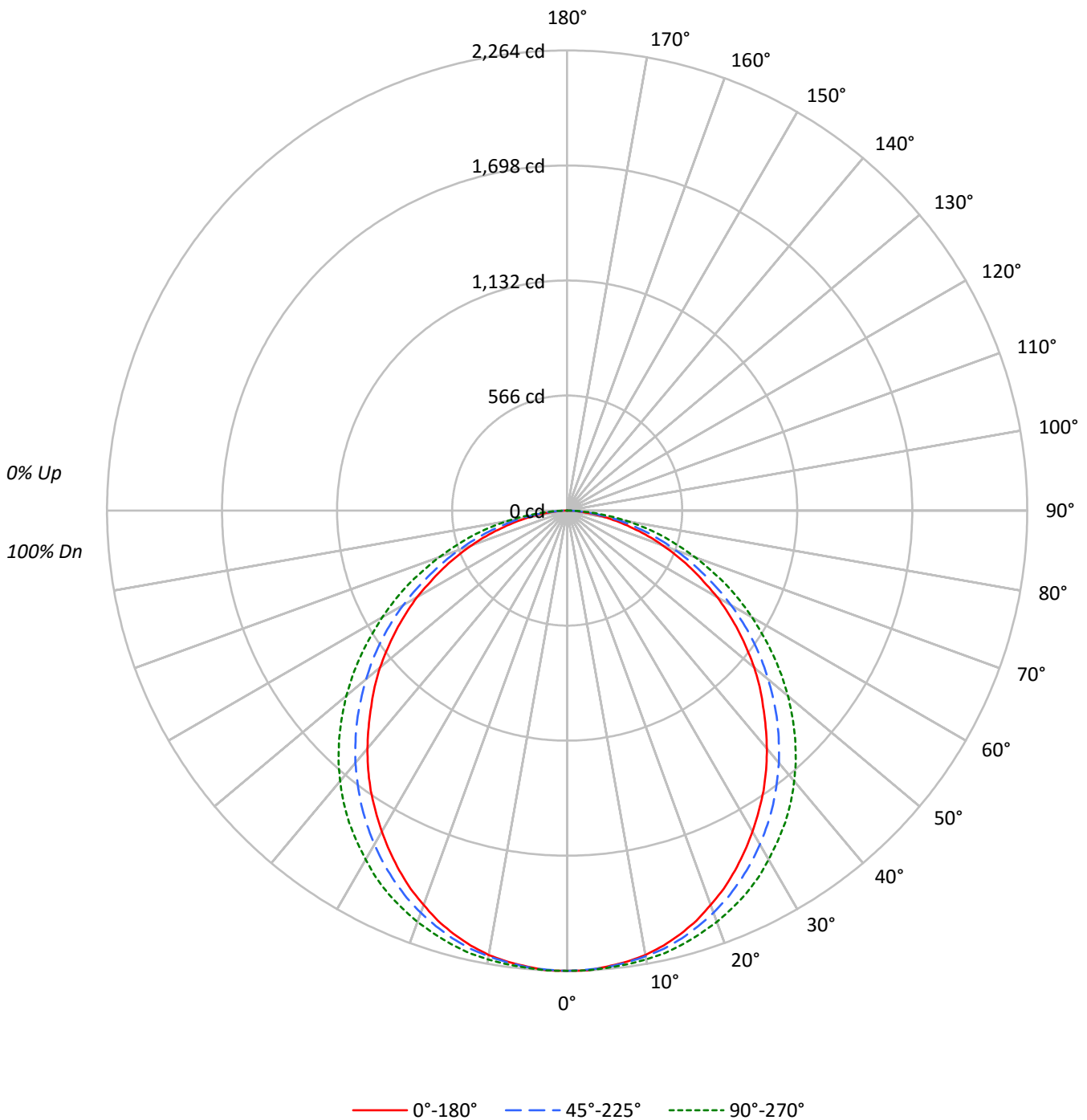
Lumens per Lamp: N/A
Luminaire Lumens: 6287.4 lumens
Efficiency: N/A
Efficacy: 103.9 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.3 / 1.36
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 60.5
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	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°	3047	3047	3047
5°	3041	3046	3050
10°	3033	3042	3064
15°	3004	3035	3075
20°	2956	3015	3083
25°	2900	2985	3089
30°	2833	2947	3080
35°	2766	2902	3074
40°	2685	2847	3053
45°	2595	2782	3017
50°	2516	2702	2968
55°	2411	2619	2902
60°	2296	2509	2825
65°	2141	2363	2747
70°	1971	2221	2633
75°	1748	2061	2523
80°	1475	1843	2335
85°	1078	1420	1860



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	214.4	3.4
10°-20°	615.0	9.8
20°-30°	927.5	14.8
30°-40°	1107.3	17.6
40°-50°	1131.7	18.0
50°-60°	1003.5	16.0
60°-70°	748.1	11.9
70°-80°	427.3	6.8
80°-90°	112.7	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°	1756.8	27.9
0°-40°	2864.1	45.6
0°-60°	4999.3	79.5
0°-90°	6287.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6287.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2264	2264	2264	2264	2264	
5°	2252	2252	2255	2255	2258	214
15°	2157	2163	2179	2198	2207	608
25°	1954	1970	2011	2055	2081	900
35°	1684	1706	1767	1836	1871	1052
45°	1364	1392	1462	1541	1586	1054
55°	1028	1047	1116	1196	1237	918
65°	672	688	742	818	863	666
75°	336	352	396	457	485	359
85°	70	73	92	114	120	87
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2264.5	2264.5	2264.5	2264.5	2264.5
2.5°	2264.5	2261.3	2261.3	2261.3	2264.5
5°	2251.8	2251.8	2255.0	2255.0	2258.2
7.5°	2239.1	2239.1	2242.3	2245.5	2251.8
10°	2220.1	2220.1	2226.4	2236.0	2242.3
12.5°	2191.6	2194.7	2207.4	2220.1	2229.6
15°	2156.7	2163.0	2178.9	2197.9	2207.4
17.5°	2115.4	2121.8	2144.0	2169.4	2182.0
20°	2064.7	2077.4	2105.9	2137.6	2153.5
22.5°	2013.9	2026.6	2061.5	2099.6	2118.6
25°	1953.7	1969.5	2010.8	2055.2	2080.6
27.5°	1890.3	1909.3	1956.9	2007.6	2036.1
30°	1823.7	1845.9	1896.6	1953.7	1982.2
32.5°	1753.9	1776.1	1833.2	1896.6	1928.3
35°	1684.1	1706.3	1766.6	1836.3	1871.2
37.5°	1608.0	1630.2	1693.6	1769.7	1807.8
40°	1528.7	1554.1	1620.7	1696.8	1738.0
42.5°	1446.2	1474.8	1541.4	1623.8	1665.1
45°	1363.8	1392.3	1462.1	1541.4	1585.8
47.5°	1284.5	1306.7	1376.5	1458.9	1503.3
50°	1202.0	1221.1	1290.8	1373.3	1417.7
52.5°	1113.2	1138.6	1205.2	1287.7	1328.9
55°	1027.6	1046.6	1116.4	1195.7	1236.9
57.5°	938.8	957.8	1024.4	1103.7	1141.8
60°	853.2	872.2	932.4	1011.7	1049.8
62.5°	758.0	777.0	837.3	919.8	957.8
65°	672.4	688.2	742.1	818.3	862.7
67.5°	586.7	602.6	653.3	726.3	761.2
70°	501.1	513.8	564.5	631.1	669.2
72.5°	418.6	431.3	482.1	542.3	574.1
75°	336.2	352.0	396.4	456.7	485.3
77.5°	260.1	275.9	314.0	367.9	393.3
80°	190.3	203.0	237.9	279.1	301.3
82.5°	126.9	136.4	161.8	196.6	212.5
85°	69.8	72.9	92.0	114.2	120.5
87.5°	28.5	28.5	34.9	38.1	41.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)