

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: P385158

Luminaire Tested: **22ID-70-L830-CNC**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P385158
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: 22ID-70-L830-CNC
Description: 2X2 IN DEPTH TROFFER WITH CONCAVE LENS

Light Source: -
Ballast/Driver: -

Summary

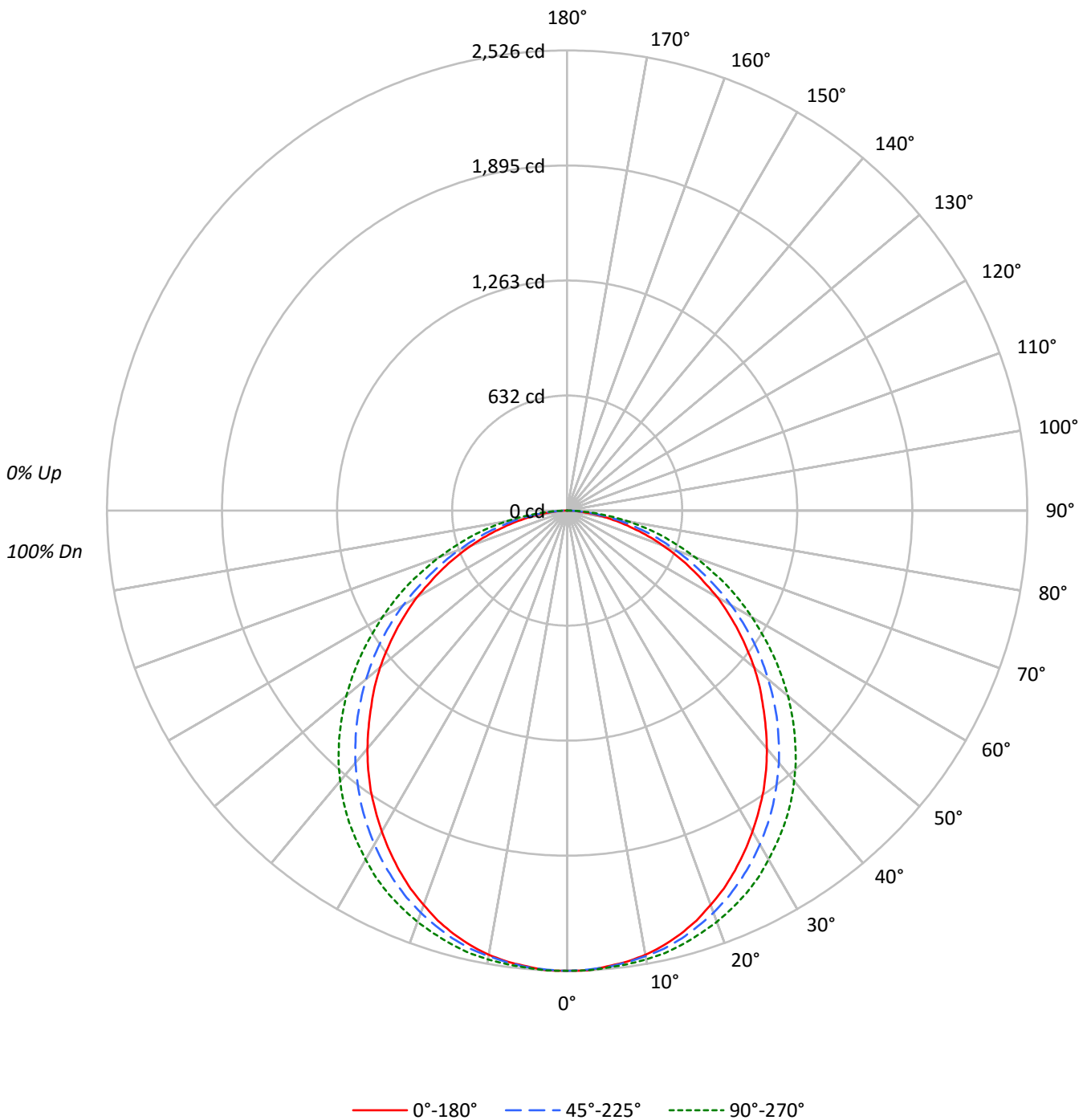
Lumens per Lamp: N/A
Luminaire Lumens: 7014.5 lumens
Efficiency: N/A
Efficacy: 114.8 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.3 / 1.36
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 61.1
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°	6798	6798	6798
5°	6786	6796	6805
10°	6768	6787	6836
15°	6703	6772	6861
20°	6596	6728	6880
25°	6472	6661	6892
30°	6322	6575	6872
35°	6172	6475	6858
40°	5991	6352	6811
45°	5790	6208	6733
50°	5614	6029	6621
55°	5378	5843	6474
60°	5123	5599	6303
65°	4776	5272	6128
70°	4399	4955	5874
75°	3900	4599	5629
80°	3290	4113	5208
85°	2402	3168	4153



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	239.2	3.4
10°-20°	686.1	9.8
20°-30°	1034.7	14.8
30°-40°	1235.3	17.6
40°-50°	1262.5	18.0
50°-60°	1119.5	16.0
60°-70°	834.6	11.9
70°-80°	476.8	6.8
80°-90°	125.8	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°	1960.0	27.9
0°-40°	3195.3	45.6
0°-60°	5577.4	79.5
0°-90°	7014.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7014.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2526	2526	2526	2526	2526	
5°	2512	2512	2516	2516	2519	239
15°	2406	2413	2431	2452	2463	678
25°	2180	2197	2243	2293	2321	1004
35°	1879	1904	1971	2049	2088	1174
45°	1522	1553	1631	1720	1769	1175
55°	1146	1168	1246	1334	1380	1024
65°	750	768	828	913	962	743
75°	375	393	442	510	541	400
85°	78	81	103	127	134	97
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2526.4	2526.4	2526.4	2526.4	2526.4
2.5°	2526.4	2522.8	2522.8	2522.8	2526.4
5°	2512.2	2512.2	2515.8	2515.8	2519.3
7.5°	2498.1	2498.1	2501.6	2505.1	2512.2
10°	2476.8	2476.8	2483.9	2494.5	2501.6
12.5°	2445.0	2448.5	2462.7	2476.8	2487.5
15°	2406.1	2413.2	2430.8	2452.1	2462.7
17.5°	2360.1	2367.2	2391.9	2420.2	2434.4
20°	2303.5	2317.6	2349.5	2384.8	2402.5
22.5°	2246.8	2261.0	2299.9	2342.4	2363.6
25°	2179.6	2197.3	2243.3	2292.8	2321.2
27.5°	2108.9	2130.1	2183.2	2239.8	2271.6
30°	2034.5	2059.3	2115.9	2179.6	2211.5
32.5°	1956.7	1981.5	2045.2	2115.9	2151.3
35°	1878.9	1903.6	1970.9	2048.7	2087.6
37.5°	1793.9	1818.7	1889.5	1974.4	2016.9
40°	1705.5	1733.8	1808.1	1893.0	1939.0
42.5°	1613.5	1645.3	1719.6	1811.6	1857.6
45°	1521.5	1553.3	1631.2	1719.6	1769.2
47.5°	1433.0	1457.8	1535.6	1627.6	1677.2
50°	1341.0	1362.3	1440.1	1532.1	1581.6
52.5°	1242.0	1270.3	1344.6	1436.6	1482.6
55°	1146.4	1167.7	1245.5	1334.0	1380.0
57.5°	1047.3	1068.6	1142.9	1231.3	1273.8
60°	951.8	973.0	1040.3	1128.7	1171.2
62.5°	845.7	866.9	934.1	1026.1	1068.6
65°	750.1	767.8	828.0	912.9	962.4
67.5°	654.6	672.3	728.9	810.3	849.2
70°	559.1	573.2	629.8	704.1	746.6
72.5°	467.1	481.2	537.8	605.1	640.4
75°	375.1	392.8	442.3	509.5	541.4
77.5°	290.1	307.8	350.3	410.4	438.8
80°	212.3	226.5	265.4	311.4	336.1
82.5°	141.5	152.1	180.5	219.4	237.1
85°	77.8	81.4	102.6	127.4	134.5
87.5°	31.8	31.8	38.9	42.5	46.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)