

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: P385154

Luminaire Tested: **22ID-65-L830-CNC**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P385154
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-65-L830-CNC
Description: 2X2 IN DEPTH TROFFER WITH CONCAVE LENS

Light Source: -
Ballast/Driver: -

Summary

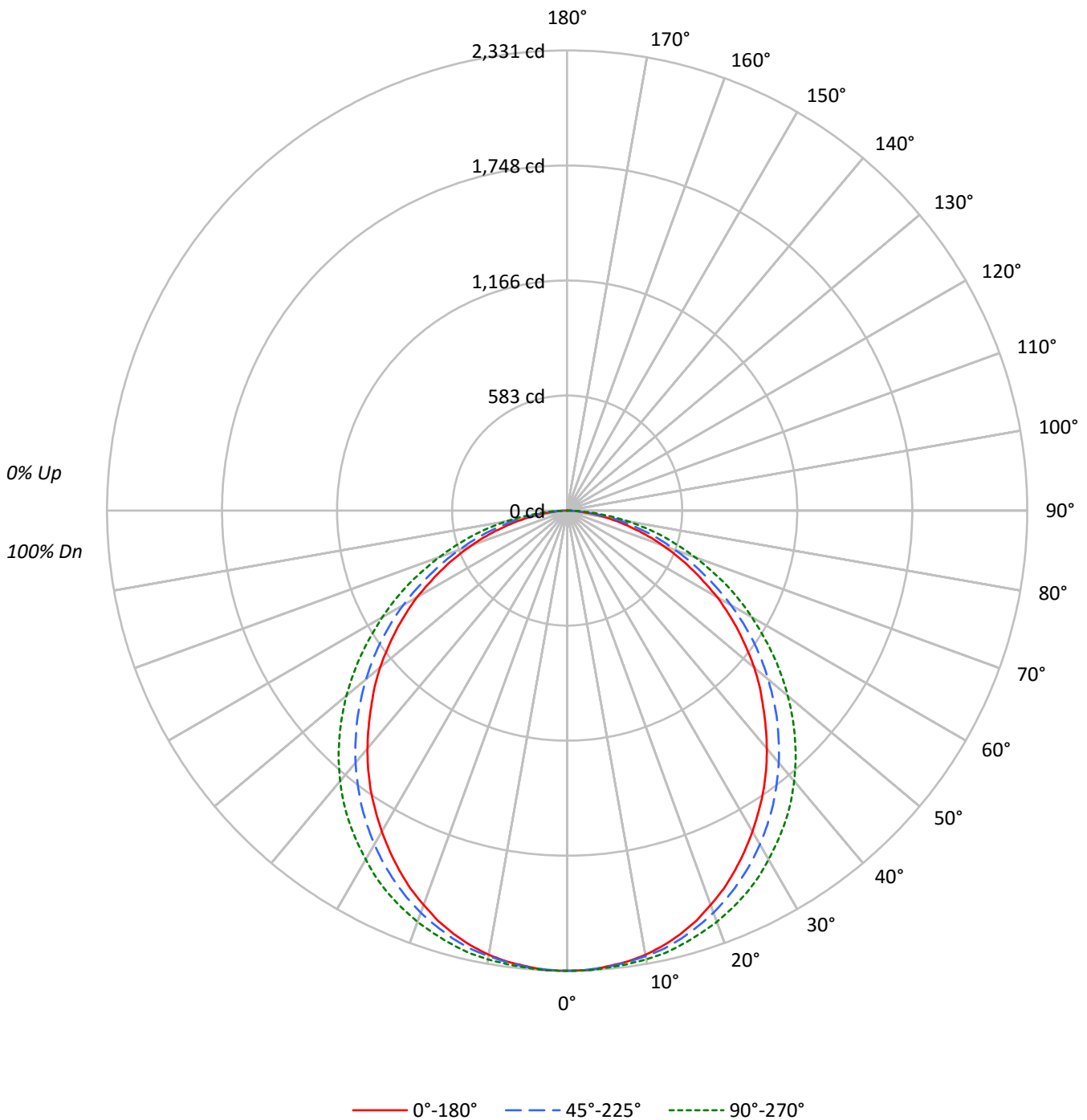
Lumens per Lamp: N/A
Luminaire Lumens: 6472.3 lumens
Efficiency: N/A
Efficacy: 115.6 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.3 / 1.36
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 56
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°	6273	6273	6273
5°	6262	6270	6279
10°	6245	6263	6307
15°	6185	6249	6330
20°	6086	6208	6348
25°	5971	6146	6359
30°	5833	6067	6340
35°	5695	5974	6328
40°	5528	5860	6285
45°	5343	5728	6212
50°	5180	5563	6110
55°	4963	5392	5974
60°	4726	5166	5816
65°	4407	4865	5654
70°	4058	4572	5420
75°	3598	4243	5193
80°	3036	3795	4807
85°	2217	2924	3832



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	220.7	3.4
10°-20°	633.0	9.8
20°-30°	954.8	14.8
30°-40°	1139.8	17.6
40°-50°	1165.0	18.0
50°-60°	1033.0	16.0
60°-70°	770.1	11.9
70°-80°	439.9	6.8
80°-90°	116.0	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°	1808.5	27.9
0°-40°	2948.3	45.6
0°-60°	5146.3	79.5
0°-90°	6472.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6472.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2331	2331	2331	2331	2331	
5°	2318	2318	2321	2321	2325	220
15°	2220	2227	2243	2262	2272	626
25°	2011	2028	2070	2116	2142	926
35°	1734	1756	1818	1890	1926	1083
45°	1404	1433	1505	1587	1632	1085
55°	1058	1077	1149	1231	1273	945
65°	692	708	764	842	888	686
75°	346	362	408	470	500	369
85°	72	75	95	118	124	90
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2331.1	2331.1	2331.1	2331.1	2331.1
2.5°	2331.1	2327.8	2327.8	2327.8	2331.1
5°	2318.0	2318.0	2321.3	2321.3	2324.6
7.5°	2305.0	2305.0	2308.2	2311.5	2318.0
10°	2285.4	2285.4	2291.9	2301.7	2308.2
12.5°	2256.0	2259.3	2272.3	2285.4	2295.2
15°	2220.1	2226.6	2242.9	2262.5	2272.3
17.5°	2177.6	2184.2	2207.0	2233.2	2246.2
20°	2125.4	2138.5	2167.9	2200.5	2216.8
22.5°	2073.2	2086.2	2122.1	2161.3	2180.9
25°	2011.1	2027.5	2069.9	2115.6	2141.7
27.5°	1945.8	1965.4	2014.4	2066.6	2096.0
30°	1877.3	1900.1	1952.4	2011.1	2040.5
32.5°	1805.5	1828.3	1887.1	1952.4	1985.0
35°	1733.6	1756.5	1818.5	1890.3	1926.3
37.5°	1655.3	1678.1	1743.4	1821.8	1861.0
40°	1573.7	1599.8	1668.3	1746.7	1789.1
42.5°	1488.8	1518.2	1586.7	1671.6	1714.0
45°	1403.9	1433.3	1505.1	1586.7	1632.4
47.5°	1322.3	1345.1	1416.9	1501.8	1547.5
50°	1237.4	1257.0	1328.8	1413.7	1459.4
52.5°	1146.0	1172.1	1240.6	1325.5	1368.0
55°	1057.8	1077.4	1149.2	1230.8	1273.3
57.5°	966.4	986.0	1054.5	1136.2	1175.3
60°	878.2	897.8	959.9	1041.5	1080.7
62.5°	780.3	799.9	861.9	946.8	986.0
65°	692.1	708.5	764.0	842.3	888.0
67.5°	604.0	620.3	672.6	747.6	783.6
70°	515.8	528.9	581.1	649.7	688.9
72.5°	431.0	444.0	496.3	558.3	590.9
75°	346.1	362.4	408.1	470.1	499.5
77.5°	267.7	284.0	323.2	378.7	404.8
80°	195.9	208.9	244.9	287.3	310.2
82.5°	130.6	140.4	166.5	202.4	218.7
85°	71.8	75.1	94.7	117.5	124.1
87.5°	29.4	29.4	35.9	39.2	42.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)