

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: P385121

Luminaire Tested: **22ID-20-L850-CNC**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P385121
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-20-L850-CNC
Description: 2X2 IN DEPTH TROFFER WITH CONCAVE LENS

Light Source: -
Ballast/Driver: -

Summary

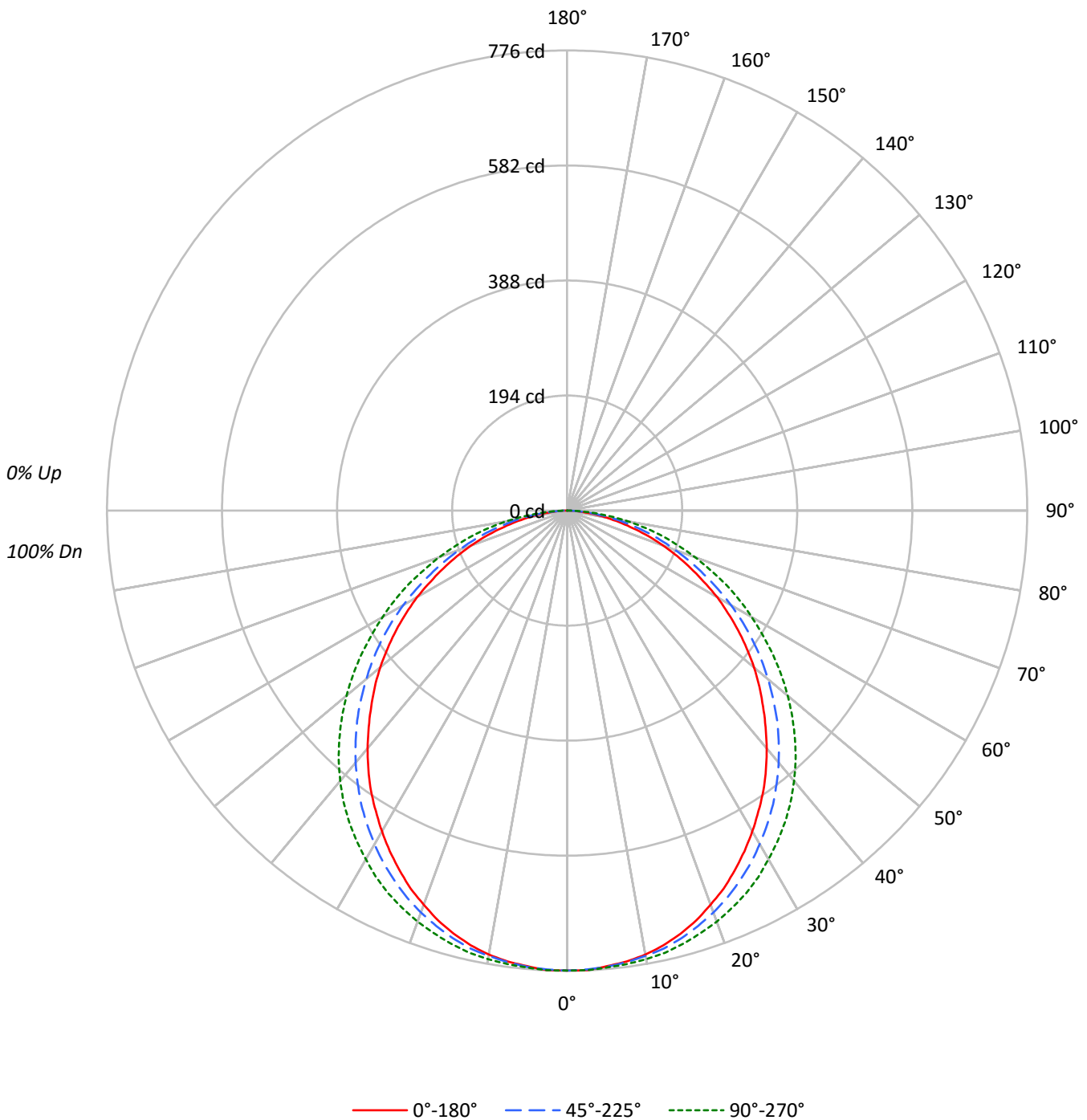
Lumens per Lamp: N/A
Luminaire Lumens: 2153.6 lumens
Efficiency: N/A
Efficacy: 132.1 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.3 / 1.36
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 16.3
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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CATALOG NUMBER: 22ID-20-L850-CNC

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°	2087	2087	2087
5°	2083	2086	2089
10°	2078	2084	2099
15°	2058	2079	2106
20°	2025	2066	2112
25°	1987	2045	2116
30°	1941	2018	2110
35°	1895	1988	2105
40°	1839	1950	2091
45°	1778	1906	2067
50°	1724	1851	2033
55°	1651	1794	1988
60°	1573	1719	1935
65°	1466	1619	1882
70°	1350	1522	1803
75°	1198	1412	1728
80°	1010	1263	1599
85°	738	973	1275



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	73.4	3.4
10°-20°	210.6	9.8
20°-30°	317.7	14.8
30°-40°	379.3	17.6
40°-50°	387.6	18.0
50°-60°	343.7	16.0
60°-70°	256.2	11.9
70°-80°	146.4	6.8
80°-90°	38.6	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°	601.8	27.9
0°-40°	981.0	45.6
0°-60°	1712.4	79.5
0°-90°	2153.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2153.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	776	776	776	776	776	
5°	771	771	772	772	774	73
15°	739	741	746	753	756	208
25°	669	675	689	704	713	308
35°	577	584	605	629	641	360
45°	467	477	501	528	543	361
55°	352	358	382	410	424	315
65°	230	236	254	280	296	228
75°	115	121	136	156	166	123
85°	24	25	32	39	41	30
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	775.7	775.7	775.7	775.7	775.7
2.5°	775.7	774.6	774.6	774.6	775.7
5°	771.3	771.3	772.4	772.4	773.5
7.5°	767.0	767.0	768.0	769.1	771.3
10°	760.4	760.4	762.6	765.9	768.0
12.5°	750.7	751.8	756.1	760.4	763.7
15°	738.7	740.9	746.3	752.8	756.1
17.5°	724.6	726.8	734.4	743.1	747.4
20°	707.2	711.6	721.3	732.2	737.6
22.5°	689.8	694.2	706.1	719.2	725.7
25°	669.2	674.6	688.7	704.0	712.6
27.5°	647.5	654.0	670.3	687.7	697.4
30°	624.6	632.3	649.6	669.2	679.0
32.5°	600.7	608.4	627.9	649.6	660.5
35°	576.9	584.5	605.1	629.0	640.9
37.5°	550.8	558.4	580.1	606.2	619.2
40°	523.6	532.3	555.1	581.2	595.3
42.5°	495.4	505.2	528.0	556.2	570.3
45°	467.1	476.9	500.8	528.0	543.2
47.5°	440.0	447.6	471.5	499.7	514.9
50°	411.7	418.2	442.1	470.4	485.6
52.5°	381.3	390.0	412.8	441.1	455.2
55°	352.0	358.5	382.4	409.6	423.7
57.5°	321.6	328.1	350.9	378.0	391.1
60°	292.2	298.7	319.4	346.5	359.6
62.5°	259.6	266.2	286.8	315.0	328.1
65°	230.3	235.7	254.2	280.3	295.5
67.5°	201.0	206.4	223.8	248.8	260.7
70°	171.6	176.0	193.4	216.2	229.2
72.5°	143.4	147.7	165.1	185.8	196.6
75°	115.2	120.6	135.8	156.4	166.2
77.5°	89.1	94.5	107.5	126.0	134.7
80°	65.2	69.5	81.5	95.6	103.2
82.5°	43.5	46.7	55.4	67.4	72.8
85°	23.9	25.0	31.5	39.1	41.3
87.5°	9.8	9.8	11.9	13.0	14.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)