

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: P385120

Luminaire Tested: **22ID-20-L840-CNC**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P385120
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-L840-CNC
Description: 2X2 IN DEPTH TROFFER WITH CONCAVE LENS

Light Source: -
Ballast/Driver: -

Summary

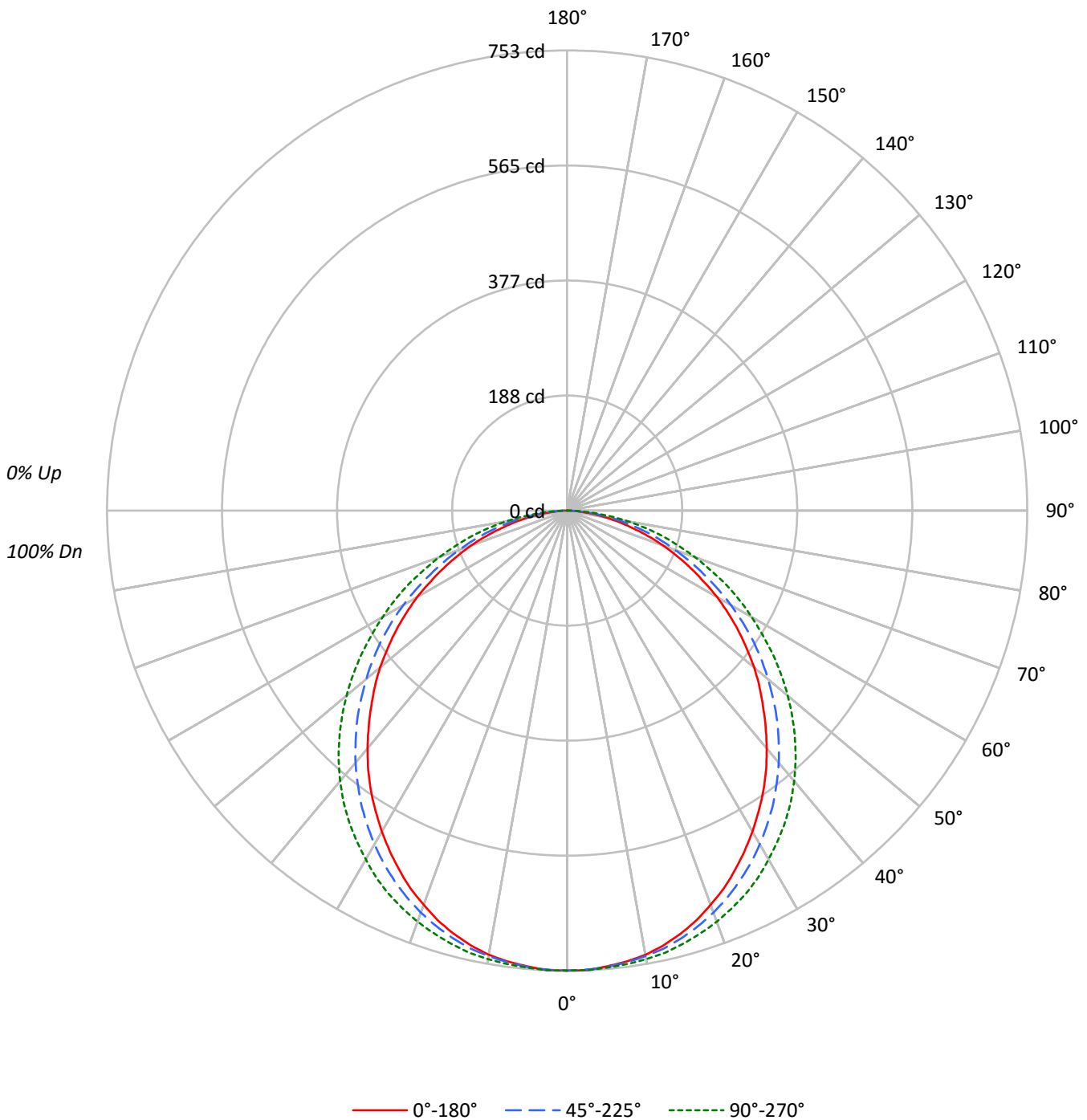
Lumens per Lamp: N/A
Luminaire Lumens: 2090.2 lumens
Efficiency: N/A
Efficacy: 128.2 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.3 / 1.36
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

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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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°	2026	2026	2026
5°	2022	2025	2028
10°	2017	2023	2037
15°	1997	2018	2044
20°	1966	2005	2050
25°	1928	1985	2054
30°	1884	1959	2048
35°	1839	1929	2044
40°	1785	1893	2030
45°	1725	1850	2006
50°	1673	1796	1973
55°	1603	1741	1929
60°	1526	1668	1878
65°	1423	1571	1826
70°	1311	1477	1751
75°	1162	1370	1677
80°	981	1226	1553
85°	716	945	1238



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	71.3	3.4
10°-20°	204.4	9.8
20°-30°	308.3	14.8
30°-40°	368.1	17.6
40°-50°	376.2	18.0
50°-60°	333.6	16.0
60°-70°	248.7	11.9
70°-80°	142.1	6.8
80°-90°	37.5	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°	584.0	27.9
0°-40°	952.1	45.6
0°-60°	1662.0	79.5
0°-90°	2090.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2090.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	753	753	753	753	753	
5°	749	749	750	750	751	71
15°	717	719	724	731	734	202
25°	650	655	668	683	692	299
35°	560	567	587	610	622	350
45°	453	463	486	512	527	350
55°	342	348	371	398	411	305
65°	224	229	247	272	287	222
75°	112	117	132	152	161	119
85°	23	24	31	38	40	29
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	752.8	752.8	752.8	752.8	752.8
2.5°	752.8	751.8	751.8	751.8	752.8
5°	748.6	748.6	749.7	749.7	750.7
7.5°	744.4	744.4	745.4	746.5	748.6
10°	738.1	738.1	740.2	743.3	745.4
12.5°	728.6	729.6	733.8	738.1	741.2
15°	717.0	719.1	724.3	730.7	733.8
17.5°	703.3	705.4	712.8	721.2	725.4
20°	686.4	690.6	700.1	710.6	715.9
22.5°	669.5	673.7	685.3	698.0	704.3
25°	649.5	654.8	668.5	683.2	691.7
27.5°	628.4	634.7	650.5	667.4	676.9
30°	606.3	613.6	630.5	649.5	659.0
32.5°	583.1	590.4	609.4	630.5	641.1
35°	559.9	567.2	587.3	610.5	622.1
37.5°	534.6	541.9	563.0	588.3	601.0
40°	508.2	516.6	538.8	564.1	577.8
42.5°	480.8	490.3	512.4	539.8	553.5
45°	453.4	462.9	486.1	512.4	527.2
47.5°	427.0	434.4	457.6	485.0	499.8
50°	399.6	405.9	429.1	456.5	471.3
52.5°	370.1	378.5	400.7	428.1	441.8
55°	341.6	347.9	371.1	397.5	411.2
57.5°	312.1	318.4	340.6	366.9	379.6
60°	283.6	290.0	310.0	336.3	349.0
62.5°	252.0	258.3	278.4	305.8	318.4
65°	223.5	228.8	246.7	272.0	286.8
67.5°	195.1	200.3	217.2	241.4	253.0
70°	166.6	170.8	187.7	209.8	222.5
72.5°	139.2	143.4	160.3	180.3	190.8
75°	111.8	117.0	131.8	151.8	161.3
77.5°	86.5	91.7	104.4	122.3	130.7
80°	63.3	67.5	79.1	92.8	100.2
82.5°	42.2	45.3	53.8	65.4	70.6
85°	23.2	24.3	30.6	38.0	40.1
87.5°	9.5	9.5	11.6	12.7	13.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)