

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: P385287

Luminaire Tested: **22ID-20-L835-CNV**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P385287
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1911-572-73)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 2/25/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22ID-20-L835-CNV
Description: 2X2 IN DEPTH TROFFER WITH CONVEX LENS

Light Source: -
Ballast/Driver: -

Summary

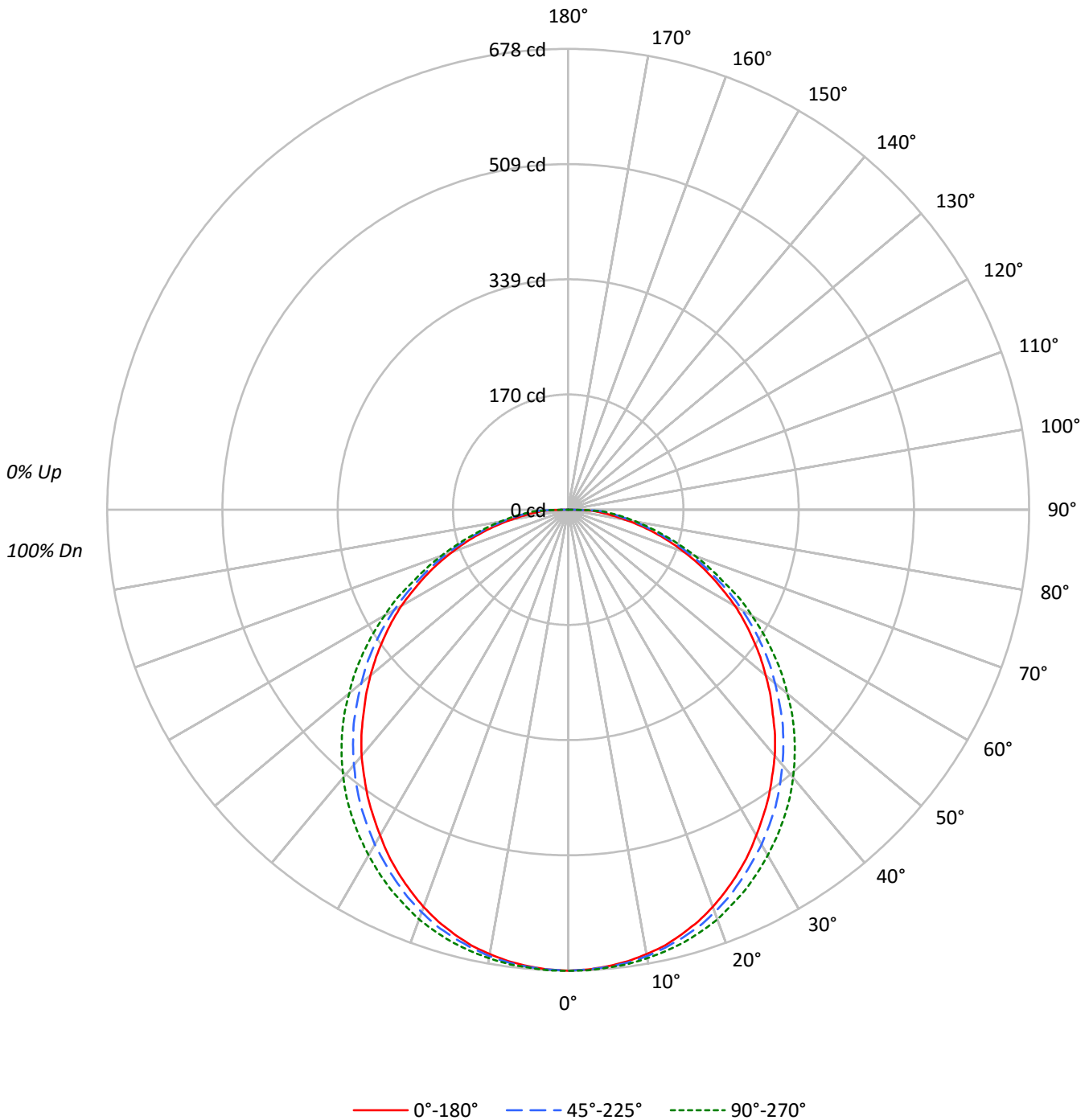
Lumens per Lamp: N/A
Luminaire Lumens: 1967.2 lumens
Efficiency: N/A
Efficacy: 120.7 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.28 / 1.37
Luminous Opening: Rectangular w/ Sides (W: 2' x L: 2' x H: 0.17')
CIE Type: Direct

Input Watts (W): 16.3
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	108	103	99	94	105	101	97	93	96	93	90	93	90	87	89	87	85	82
2	98	90	82	77	95	88	81	76	84	79	74	81	76	72	78	74	70	68
3	89	78	70	63	87	77	69	63	74	67	62	71	65	61	68	64	60	57
4	82	69	60	54	79	68	60	53	66	58	52	63	57	52	61	56	51	49
5	75	62	53	46	73	61	52	46	59	51	45	57	50	45	55	49	44	42
6	69	56	47	40	67	55	46	40	53	45	40	51	44	39	50	44	39	37
7	64	51	42	35	63	50	41	35	48	41	35	47	40	35	45	39	35	33
8	60	46	38	32	58	45	37	32	44	37	31	43	36	31	42	36	31	29
9	56	42	34	28	54	42	34	28	41	33	28	40	33	28	38	32	28	26
10	52	39	31	26	51	39	31	26	38	30	26	37	30	25	36	30	25	24

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1825	1825	1825
5°	1808	1805	1813
10°	1788	1785	1805
15°	1762	1760	1795
20°	1729	1730	1783
25°	1687	1693	1763
30°	1641	1655	1741
35°	1597	1614	1718
40°	1552	1566	1690
45°	1495	1518	1653
50°	1445	1457	1601
55°	1390	1397	1544
60°	1333	1321	1467
65°	1254	1227	1365
70°	1159	1125	1271
75°	1047	1012	1160
80°	893	894	1066
85°	761	808	1018



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	64.2	3.3
10°-20°	183.9	9.3
20°-30°	277.5	14.1
30°-40°	333.1	16.9
40°-50°	344.8	17.5
50°-60°	312.3	15.9
60°-70°	240.6	12.2
70°-80°	148.9	7.6
80°-90°	61.8	3.1
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°	525.6	26.7
0°-40°	858.8	43.7
0°-60°	1515.8	77.1
0°-90°	1967.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1967.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	678	678	678	678	678	
5°	674	674	675	675	676	64
15°	646	648	652	656	659	182
25°	590	592	602	612	617	272
35°	515	519	532	546	553	322
45°	426	432	446	462	471	329
55°	332	337	348	363	368	297
65°	232	234	241	252	253	230
75°	132	135	140	146	146	140
85°	48	53	61	66	64	52
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	678.3	678.3	678.3	678.3	678.3
2.5°	677.2	677.2	677.2	677.2	678.3
5°	674.2	674.2	675.2	675.2	676.2
7.5°	670.1	670.1	672.1	672.1	674.2
10°	663.9	665.0	667.0	668.0	670.1
12.5°	656.8	656.8	659.8	662.9	665.0
15°	646.5	647.6	651.7	655.7	658.8
17.5°	635.3	636.3	642.4	646.5	650.6
20°	622.0	623.0	630.2	636.3	641.4
22.5°	606.6	608.7	616.9	625.1	629.1
25°	590.3	592.3	601.5	611.8	616.9
27.5°	572.9	576.0	585.2	596.4	602.5
30°	553.4	557.5	568.8	581.1	587.2
32.5°	534.0	538.1	550.4	564.7	570.8
35°	514.6	518.7	532.0	546.3	553.4
37.5°	493.1	497.2	511.5	526.8	535.0
40°	472.6	476.7	490.0	507.4	514.6
42.5°	450.1	454.2	468.5	484.9	493.1
45°	425.6	431.7	446.0	462.4	470.6
47.5°	403.1	408.2	421.5	438.9	447.1
50°	379.5	384.6	396.9	414.3	420.5
52.5°	356.0	361.1	373.4	389.8	395.9
55°	331.5	336.6	347.8	363.2	368.3
57.5°	307.9	312.0	322.2	336.6	340.7
60°	283.4	287.5	295.6	308.9	312.0
62.5°	256.8	259.8	269.0	281.3	285.4
65°	232.2	234.3	241.4	251.7	252.7
67.5°	206.6	208.7	215.9	223.0	226.1
70°	181.1	184.1	189.3	196.4	198.5
72.5°	156.5	159.6	164.7	170.8	171.9
75°	132.0	135.0	140.2	146.3	146.3
77.5°	108.4	111.5	117.6	122.8	122.8
80°	84.9	90.0	96.2	101.3	101.3
82.5°	65.5	69.6	77.7	81.8	81.8
85°	48.1	53.2	61.4	65.5	64.4
87.5°	34.8	39.9	47.1	50.1	49.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)