

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: P385291

Luminaire Tested: **22ID-25-L835-CNV**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P385291
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-25-L835-CNV
Description: 2X2 IN DEPTH TROFFER WITH CONVEX LENS

Light Source: -
Ballast/Driver: -

Summary

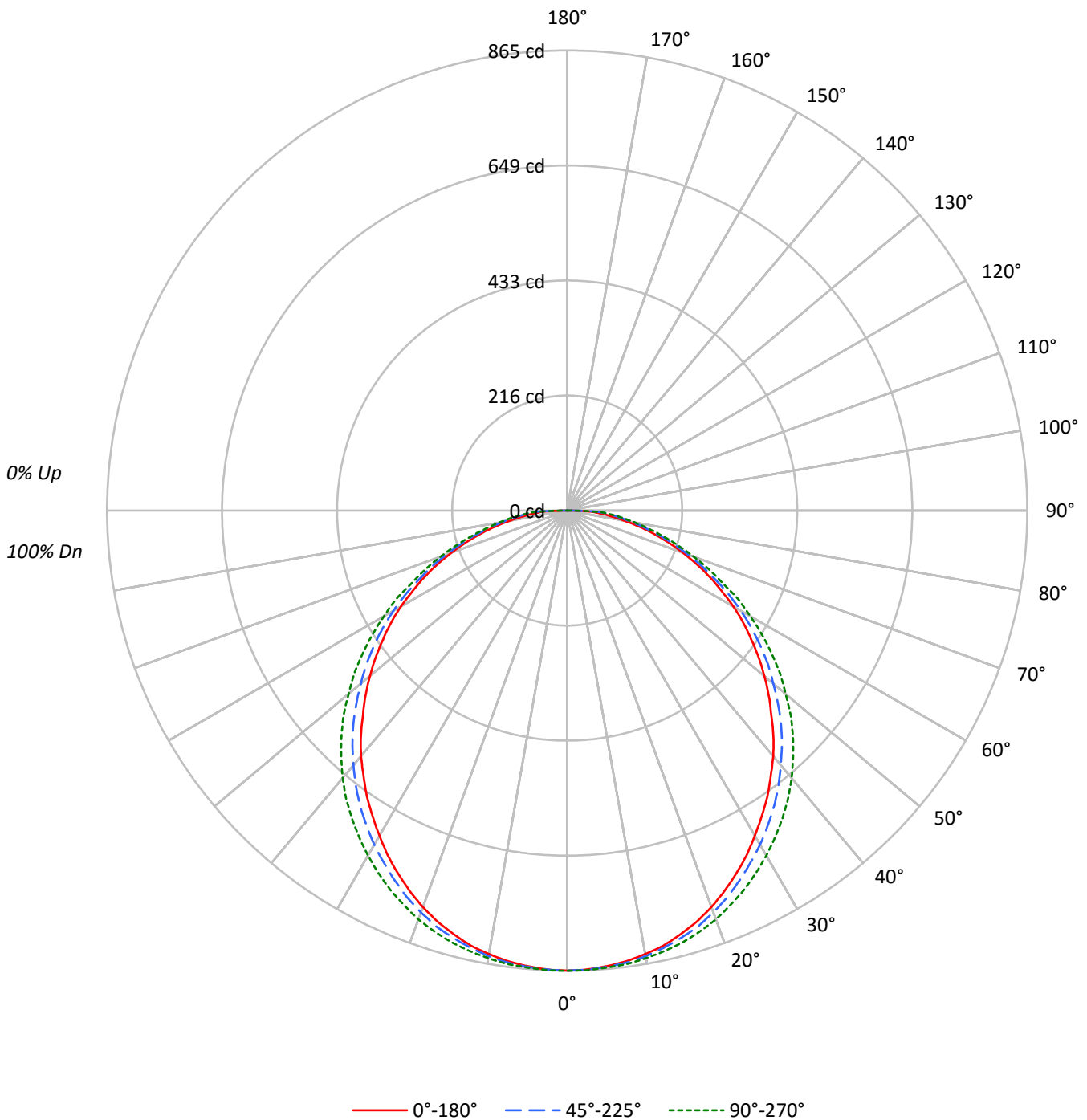
Lumens per Lamp: N/A
Luminaire Lumens: 2508.5 lumens
Efficiency: N/A
Efficacy: 121.8 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.28 / 1.37
Luminous Opening: Rectangular w/ Sides (W: 2' x L: 2' x H: 0.17')
CIE Type: Direct

Input Watts (W): 20.6
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	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°	2327	2327	2327
5°	2305	2302	2312
10°	2280	2277	2301
15°	2247	2244	2289
20°	2204	2207	2273
25°	2151	2159	2248
30°	2092	2110	2220
35°	2037	2058	2190
40°	1979	1998	2154
45°	1906	1936	2108
50°	1843	1858	2042
55°	1772	1781	1969
60°	1699	1685	1871
65°	1600	1565	1741
70°	1478	1434	1620
75°	1335	1290	1479
80°	1140	1139	1359
85°	969	1030	1300



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	81.8	3.3
10°-20°	234.5	9.3
20°-30°	353.9	14.1
30°-40°	424.8	16.9
40°-50°	439.6	17.5
50°-60°	398.3	15.9
60°-70°	306.8	12.2
70°-80°	189.9	7.6
80°-90°	78.9	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°	670.3	26.7
0°-40°	1095.0	43.7
0°-60°	1932.9	77.1
0°-90°	2508.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2508.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	865	865	865	865	865	
5°	860	860	861	861	862	82
15°	824	826	831	836	840	233
25°	753	755	767	780	787	347
35°	656	661	678	697	706	410
45°	543	550	569	590	600	420
55°	423	429	444	463	470	378
65°	296	299	308	321	322	293
75°	168	172	179	186	186	178
85°	61	68	78	84	82	66
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	864.9	864.9	864.9	864.9	864.9
2.5°	863.6	863.6	863.6	863.6	864.9
5°	859.7	859.7	861.0	861.0	862.3
7.5°	854.4	854.4	857.1	857.1	859.7
10°	846.6	847.9	850.5	851.8	854.4
12.5°	837.5	837.5	841.4	845.3	847.9
15°	824.4	825.7	831.0	836.2	840.1
17.5°	810.1	811.4	819.2	824.4	829.7
20°	793.1	794.4	803.6	811.4	817.9
22.5°	773.6	776.2	786.6	797.0	802.3
25°	752.7	755.3	767.0	780.1	786.6
27.5°	730.5	734.4	746.2	760.5	768.3
30°	705.7	710.9	725.3	741.0	748.8
32.5°	680.9	686.2	701.8	720.1	727.9
35°	656.2	661.4	678.3	696.6	705.7
37.5°	628.8	634.0	652.2	671.8	682.3
40°	602.7	607.9	624.9	647.0	656.2
42.5°	574.0	579.2	597.5	618.3	628.8
45°	542.7	550.5	568.8	589.6	600.1
47.5°	514.0	520.5	537.5	559.6	570.1
50°	484.0	490.5	506.1	528.3	536.1
52.5°	454.0	460.5	476.1	497.0	504.8
55°	422.7	429.2	443.5	463.1	469.6
57.5°	392.7	397.9	410.9	429.2	434.4
60°	361.3	366.6	377.0	394.0	397.9
62.5°	327.4	331.3	343.1	358.7	364.0
65°	296.1	298.7	307.9	320.9	322.2
67.5°	263.5	266.1	275.2	284.4	288.3
70°	230.9	234.8	241.3	250.5	253.1
72.5°	199.6	203.5	210.0	217.9	219.2
75°	168.3	172.2	178.7	186.5	186.5
77.5°	138.3	142.2	150.0	156.5	156.5
80°	108.3	114.8	122.6	129.1	129.1
82.5°	83.5	88.7	99.1	104.4	104.4
85°	61.3	67.8	78.3	83.5	82.2
87.5°	44.4	50.9	60.0	63.9	62.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)