

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: P385067

Luminaire Tested: **14ID-25-L835-CNC**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P385067
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: 14ID-25-L835-CNC
Description: 1X4 IN DEPTH TROFFER WITH CONCAVE LENS

Light Source: -
Ballast/Driver: -

Summary

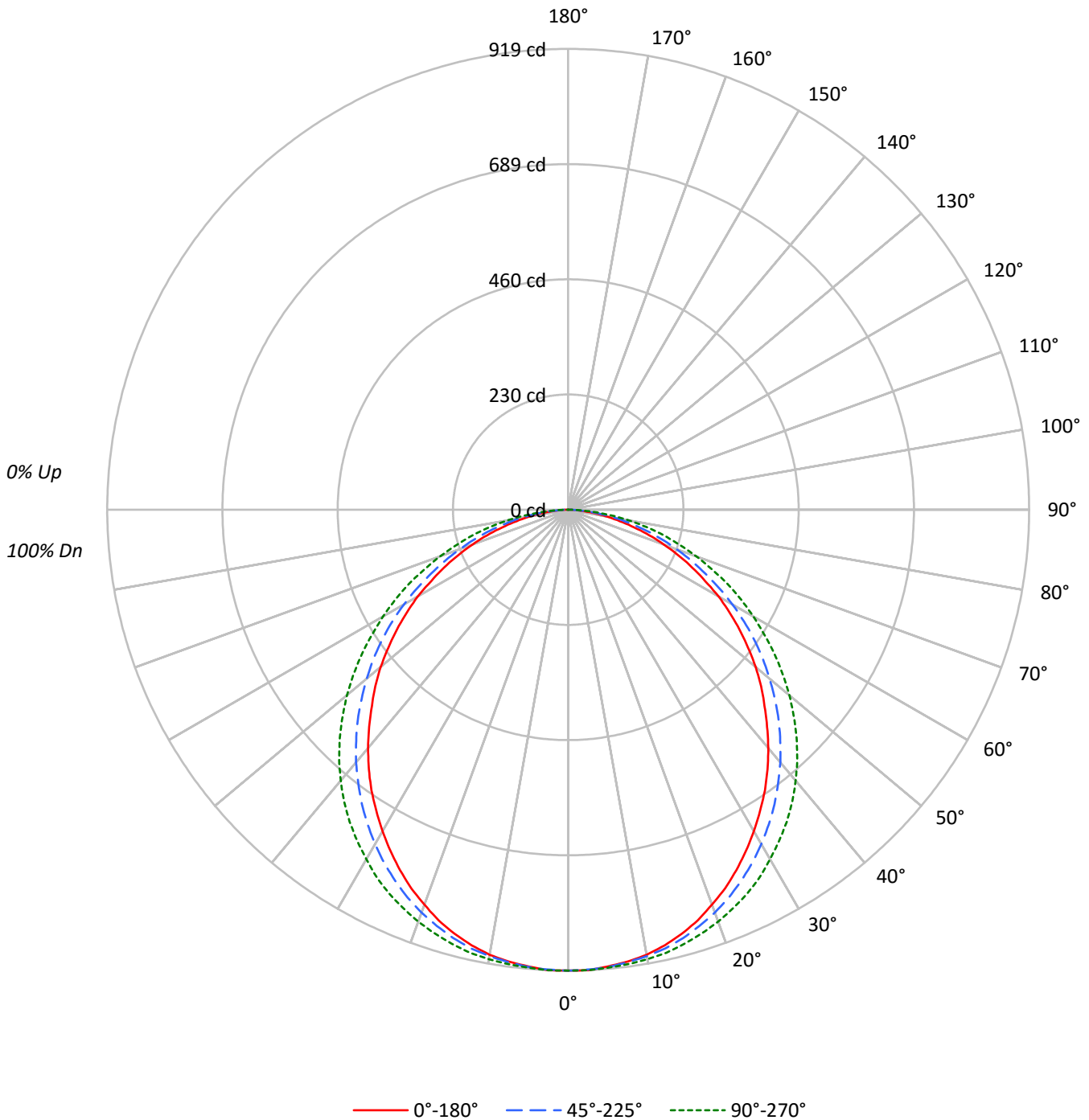
Lumens per Lamp: N/A
Luminaire Lumens: 2552.3 lumens
Efficiency: N/A
Efficacy: 125.1 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.3 / 1.36
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 20.4
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°	2474	2474	2474
5°	2469	2473	2476
10°	2463	2470	2487
15°	2439	2464	2496
20°	2400	2448	2503
25°	2355	2424	2508
30°	2300	2392	2500
35°	2246	2356	2495
40°	2180	2311	2478
45°	2107	2259	2450
50°	2043	2194	2409
55°	1957	2126	2356
60°	1864	2037	2294
65°	1738	1918	2230
70°	1600	1803	2138
75°	1419	1673	2048
80°	1196	1497	1895
85°	874	1152	1510



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	87.0	3.4
10°-20°	249.6	9.8
20°-30°	376.5	14.8
30°-40°	449.5	17.6
40°-50°	459.4	18.0
50°-60°	407.4	16.0
60°-70°	303.7	11.9
70°-80°	173.5	6.8
80°-90°	45.8	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°	713.2	27.9
0°-40°	1162.7	45.6
0°-60°	2029.4	79.5
0°-90°	2552.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2552.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	919	919	919	919	919	
5°	914	914	915	915	917	87
15°	876	878	884	892	896	247
25°	793	800	816	834	845	365
35°	684	693	717	745	760	427
45°	554	565	594	626	644	428
55°	417	425	453	485	502	373
65°	273	279	301	332	350	271
75°	136	143	161	185	197	146
85°	28	30	37	46	49	35
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	919.2	919.2	919.2	919.2	919.2
2.5°	919.2	918.0	918.0	918.0	919.2
5°	914.1	914.1	915.4	915.4	916.7
7.5°	908.9	908.9	910.2	911.5	914.1
10°	901.2	901.2	903.8	907.7	910.2
12.5°	889.6	890.9	896.1	901.2	905.1
15°	875.5	878.1	884.5	892.2	896.1
17.5°	858.7	861.3	870.3	880.6	885.8
20°	838.1	843.3	854.9	867.8	874.2
22.5°	817.5	822.7	836.9	852.3	860.0
25°	793.1	799.5	816.3	834.3	844.6
27.5°	767.3	775.1	794.4	815.0	826.6
30°	740.3	749.3	769.9	793.1	804.7
32.5°	712.0	721.0	744.2	769.9	782.8
35°	683.6	692.7	717.1	745.4	759.6
37.5°	652.7	661.8	687.5	718.4	733.9
40°	620.6	630.9	657.9	688.8	705.5
42.5°	587.1	598.7	625.7	659.2	675.9
45°	553.6	565.2	593.5	625.7	643.7
47.5°	521.4	530.4	558.8	592.2	610.3
50°	487.9	495.7	524.0	557.5	575.5
52.5°	451.9	462.2	489.2	522.7	539.4
55°	417.1	424.9	453.2	485.4	502.1
57.5°	381.1	388.8	415.9	448.0	463.5
60°	346.3	354.1	378.5	410.7	426.2
62.5°	307.7	315.4	339.9	373.4	388.8
65°	272.9	279.4	301.3	332.2	350.2
67.5°	238.2	244.6	265.2	294.8	309.0
70°	203.4	208.6	229.2	256.2	271.7
72.5°	169.9	175.1	195.7	220.2	233.0
75°	136.5	142.9	160.9	185.4	197.0
77.5°	105.6	112.0	127.5	149.3	159.6
80°	77.2	82.4	96.6	113.3	122.3
82.5°	51.5	55.4	65.7	79.8	86.3
85°	28.3	29.6	37.3	46.3	48.9
87.5°	11.6	11.6	14.2	15.4	16.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)