

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: P383947

Luminaire Tested: **22ID-25-L835-CFR2**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P383947
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1911-572-66)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 2/25/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22ID-25-L835-CFR2
Description: 2X2 IN DEPTH TROFFER WITH 2INCH RECESSED COFFER LENS

Light Source: -
Ballast/Driver: -

Summary

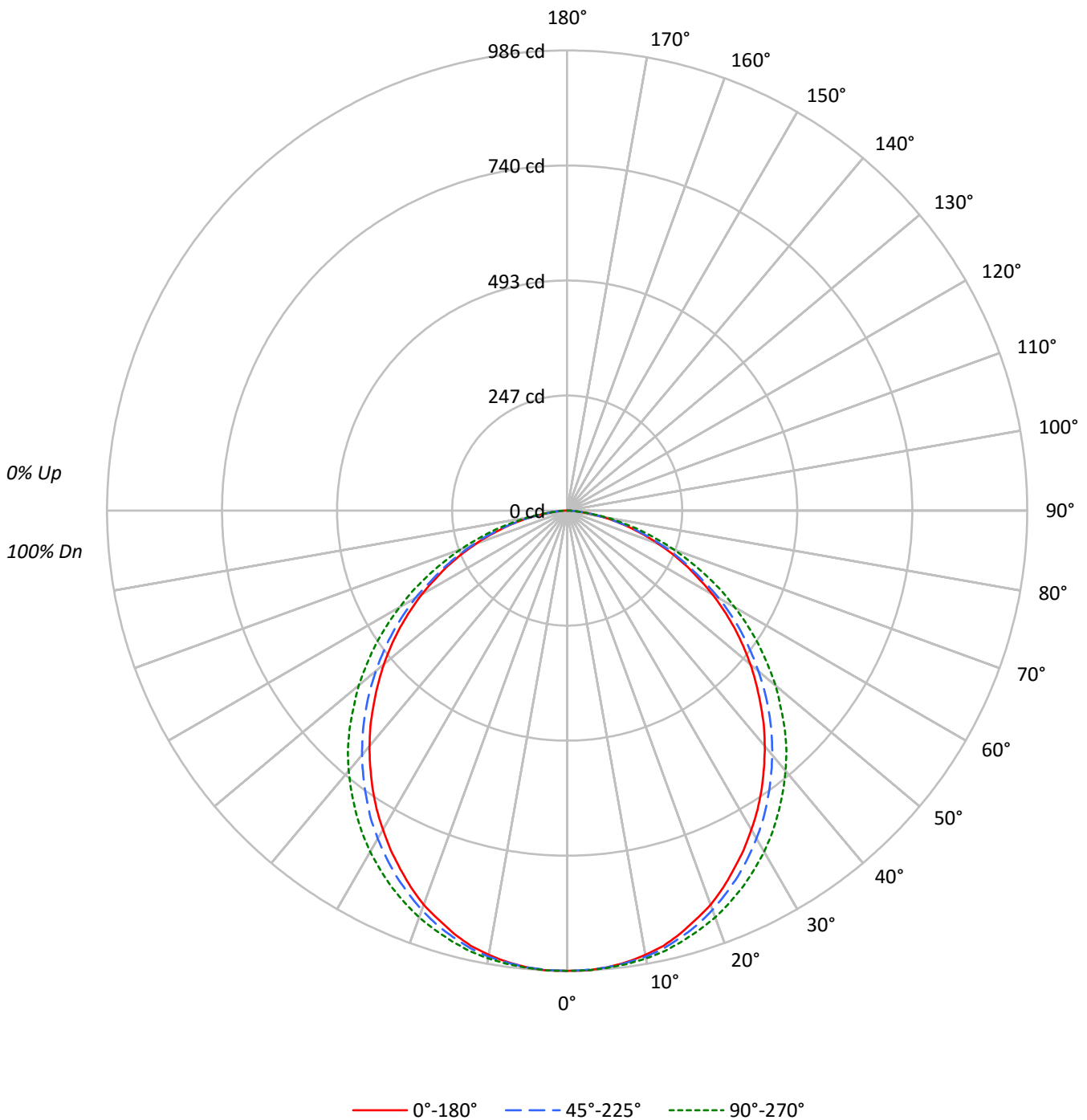
Lumens per Lamp: N/A
Luminaire Lumens: 2603.7 lumens
Efficiency: N/A
Efficacy: 126.4 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.27 / 1.33
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

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	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					100			
1	109	105	101	97	107	102	99	95	98	95	92	94	92	89	91	89	87	85					85			
2	100	92	85	79	97	90	84	79	86	81	77	83	79	75	80	76	73	71					71			
3	91	81	73	66	89	79	72	66	76	70	65	73	68	64	71	66	62	60					60			
4	83	72	63	57	81	70	62	56	68	61	55	66	60	55	63	58	54	52					52			
5	77	64	55	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45					45			
6	71	58	49	43	69	57	49	43	55	48	42	53	47	42	52	46	41	39					39			
7	66	53	44	38	64	52	44	38	50	43	37	49	42	37	47	41	37	35					35			
8	61	48	40	34	60	47	39	34	46	39	33	45	38	33	44	38	33	31					31			
9	57	44	36	30	56	43	36	30	42	35	30	41	35	30	40	34	30	28					28			
10	54	41	33	28	53	40	33	28	39	32	27	38	32	27	37	31	27	25					25			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2654	2654	2654
5°	2654	2654	2657
10°	2641	2652	2663
15°	2613	2635	2661
20°	2574	2608	2656
25°	2514	2568	2642
30°	2453	2522	2623
35°	2387	2464	2593
40°	2314	2401	2557
45°	2229	2329	2507
50°	2146	2239	2442
55°	2051	2142	2350
60°	1938	2022	2233
65°	1803	1861	2085
70°	1632	1694	1910
75°	1424	1478	1669
80°	1153	1173	1314
85°	685	766	645



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	93.4	3.6
10°-20°	266.9	10.2
20°-30°	399.2	15.3
30°-40°	471.7	18.1
40°-50°	475.9	18.3
50°-60°	413.3	15.9
60°-70°	296.4	11.4
70°-80°	154.4	5.9
80°-90°	32.6	1.3
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°	759.4	29.2
0°-40°	1231.1	47.3
0°-60°	2120.3	81.4
0°-90°	2603.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2603.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	986	986	986	986	986	
5°	982	981	982	982	984	93
15°	938	939	946	952	955	264
25°	847	852	865	882	890	390
35°	727	732	750	778	789	454
45°	586	592	612	643	659	452
55°	437	441	457	487	501	390
65°	283	282	292	314	328	280
75°	137	136	142	153	160	146
85°	22	25	25	22	21	32
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	986.3	986.3	986.3	986.3	986.3
2.5°	986.3	985.0	985.0	985.0	986.3
5°	982.4	981.1	982.4	982.4	983.7
7.5°	975.9	974.6	977.2	978.5	979.8
10°	966.7	966.7	970.7	973.3	974.6
12.5°	955.0	955.0	960.2	964.1	966.7
15°	938.0	939.3	945.9	952.4	955.0
17.5°	918.5	922.4	930.2	939.3	942.0
20°	898.9	901.5	910.6	922.4	927.6
22.5°	874.1	878.0	888.5	904.1	909.3
25°	846.7	851.9	865.0	881.9	889.8
27.5°	819.3	823.2	838.9	858.5	867.6
30°	789.3	794.5	811.5	833.7	844.1
32.5°	759.3	763.2	782.8	806.3	818.0
35°	726.7	731.9	750.2	777.6	789.3
37.5°	692.8	699.3	717.6	746.3	759.3
40°	658.8	662.8	683.6	712.3	728.0
42.5°	623.6	628.8	648.4	679.7	695.4
45°	585.8	592.3	611.9	643.2	658.8
47.5°	549.3	555.8	574.0	605.4	619.7
50°	512.7	516.6	534.9	566.2	583.2
52.5°	474.9	478.8	495.8	525.8	541.4
55°	437.1	441.0	456.6	486.6	501.0
57.5°	397.9	400.5	416.2	443.6	457.9
60°	360.1	361.4	375.7	400.5	414.9
62.5°	319.6	320.9	331.4	360.1	373.1
65°	283.1	281.8	292.2	314.4	327.5
67.5°	245.3	245.3	254.4	274.0	284.4
70°	207.4	207.4	215.3	232.2	242.7
72.5°	172.2	172.2	178.7	191.8	199.6
75°	137.0	135.7	142.2	152.6	160.5
77.5°	104.4	104.4	107.0	116.1	121.3
80°	74.4	74.4	75.7	80.9	84.8
82.5°	47.0	47.0	47.0	49.6	50.9
85°	22.2	24.8	24.8	22.2	20.9
87.5°	10.4	10.4	9.1	9.1	9.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)