

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: P383781

Luminaire Tested: **22ID-25-L850-CFR1**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P383781
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1911-572-65)
Test Lab: INNOVATION CENTER (G2)
Issue Date: 2/25/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22ID-25-L850-CFR1
Description: 2X2 IN DEPTH TROFFER WITH 1INCH RECESSED COFFER LENS

Light Source: -
Ballast/Driver: -

Summary

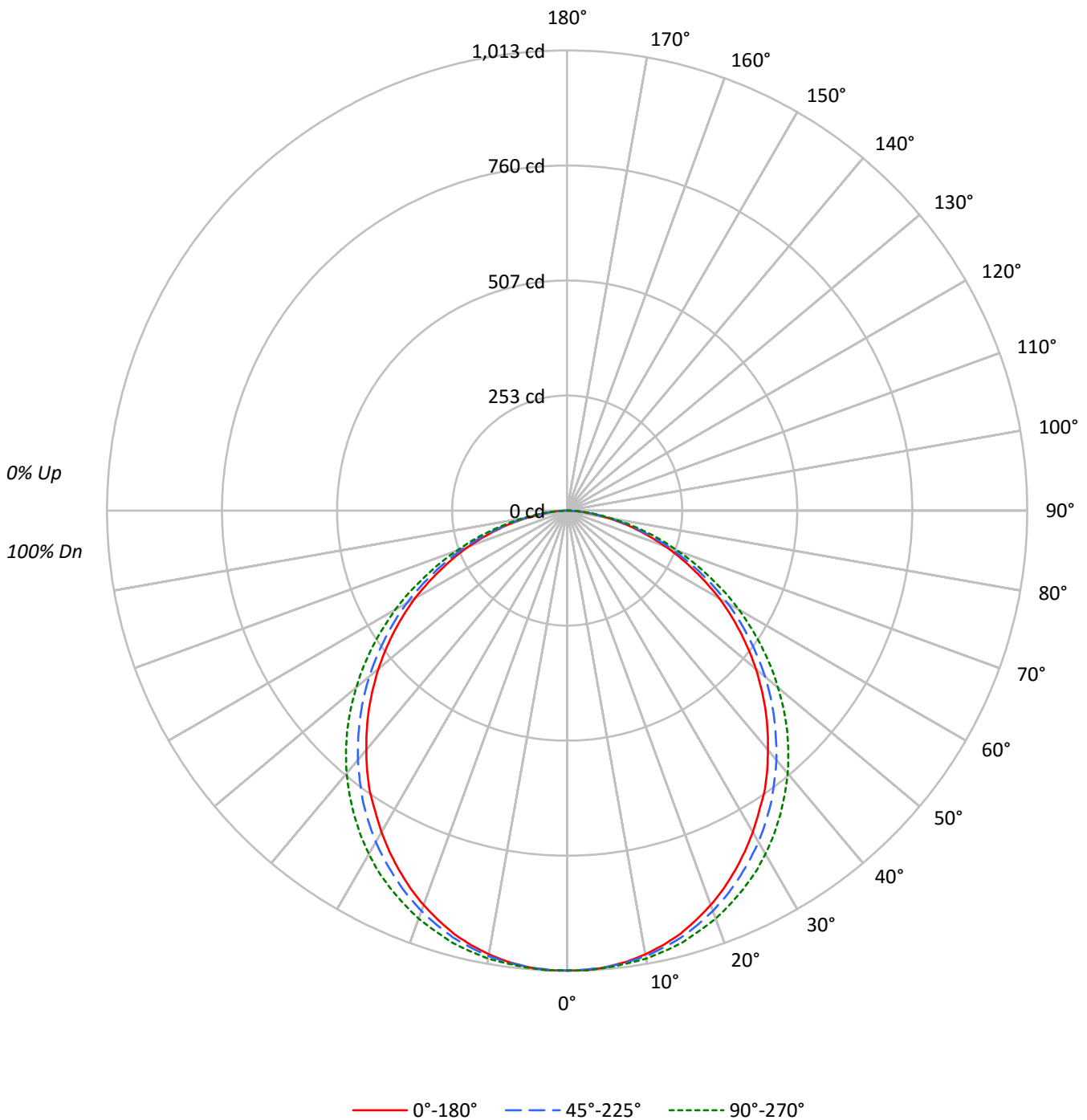
Lumens per Lamp: N/A
Luminaire Lumens: 2750.1 lumens
Efficiency: N/A
Efficacy: 132.9 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.28 / 1.35
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 20.7
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	95	98	95	92	94	91	89	90	88	86	84
2	99	91	84	79	97	89	83	78	86	81	76	82	78	74	79	76	73	71
3	91	80	72	66	88	79	71	65	76	69	64	73	67	63	70	66	62	60
4	83	71	62	56	81	70	62	55	67	60	55	65	59	54	63	58	53	51
5	76	64	55	48	74	63	54	48	60	53	47	58	52	47	57	51	46	44
6	71	57	48	42	69	56	48	42	55	47	42	53	46	41	51	45	41	39
7	65	52	43	37	64	51	43	37	50	42	37	48	42	37	47	41	36	34
8	61	47	39	33	59	47	39	33	45	38	33	44	38	33	43	37	32	31
9	57	44	35	30	56	43	35	30	42	35	30	41	34	30	40	34	29	28
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27	25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2725	2725	2725
5°	2724	2724	2728
10°	2710	2722	2737
15°	2686	2709	2740
20°	2646	2686	2737
25°	2596	2653	2727
30°	2541	2618	2712
35°	2486	2572	2686
40°	2415	2517	2653
45°	2348	2453	2606
50°	2270	2380	2537
55°	2181	2291	2453
60°	2084	2196	2352
65°	1947	2061	2202
70°	1806	1905	2035
75°	1611	1697	1841
80°	1351	1415	1543
85°	1025	1025	1155



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	95.8	3.5
10°-20°	274.2	10.0
20°-30°	412.3	15.0
30°-40°	490.5	17.8
40°-50°	499.1	18.1
50°-60°	439.2	16.0
60°-70°	322.2	11.7
70°-80°	174.9	6.4
80°-90°	41.7	1.5
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°	782.4	28.4
0°-40°	1272.9	46.3
0°-60°	2211.3	80.4
0°-90°	2750.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2750.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1013	1013	1013	1013	1013	
5°	1008	1007	1008	1008	1010	96
15°	964	966	972	978	984	272
25°	874	880	894	909	918	403
35°	757	762	783	806	818	472
45°	617	622	645	672	685	476
55°	465	472	488	512	523	416
65°	306	311	324	338	346	304
75°	155	158	163	172	177	165
85°	33	33	33	36	37	40
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1012.6	1012.6	1012.6	1012.6	1012.6
2.5°	1012.6	1011.2	1011.2	1011.2	1012.6
5°	1008.5	1007.1	1008.5	1008.5	1009.8
7.5°	1001.5	1000.2	1002.9	1004.3	1005.7
10°	991.9	991.9	996.0	998.8	1001.5
12.5°	979.4	980.8	984.9	989.1	993.2
15°	964.2	965.6	972.5	978.0	983.6
17.5°	944.8	947.6	955.9	964.2	969.7
20°	924.1	928.2	937.9	949.0	955.9
22.5°	900.6	906.1	917.2	931.0	937.9
25°	874.3	879.8	893.6	908.9	918.5
27.5°	846.6	853.5	868.7	886.7	897.8
30°	817.6	824.5	842.5	861.8	872.9
32.5°	785.7	794.0	813.4	835.5	846.6
35°	756.7	762.2	783.0	806.5	817.6
37.5°	723.5	730.4	749.8	774.7	787.1
40°	687.5	694.4	716.6	741.5	755.3
42.5°	652.9	658.5	680.6	708.3	720.7
45°	617.0	622.5	644.6	672.3	684.8
47.5°	579.6	586.5	607.3	633.6	646.0
50°	542.3	547.8	568.6	593.5	605.9
52.5°	503.5	509.1	528.4	553.3	565.8
55°	464.8	471.7	488.3	511.8	522.9
57.5°	426.1	433.0	448.2	470.3	480.0
60°	387.3	392.9	408.1	427.5	437.1
62.5°	345.8	350.0	365.2	384.6	392.9
65°	305.7	311.3	323.7	337.5	345.8
67.5°	268.4	271.1	282.2	297.4	303.0
70°	229.6	232.4	242.1	254.5	258.7
72.5°	190.9	195.1	202.0	213.0	218.6
75°	154.9	157.7	163.2	171.5	177.1
77.5°	120.4	121.7	125.9	132.8	137.0
80°	87.2	88.5	91.3	96.8	99.6
82.5°	58.1	59.5	60.9	63.6	66.4
85°	33.2	33.2	33.2	36.0	37.4
87.5°	12.5	11.1	11.1	11.1	11.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)