

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: P383719

Luminaire Tested: **14ID-20-L835-CFR1**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P383719
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: 14ID-20-L835-CFR1
Description: 1X4 IN DEPTH TROFFER WITH 1INCH RECESSED COFFER LENS

Light Source: -
Ballast/Driver: -

Summary

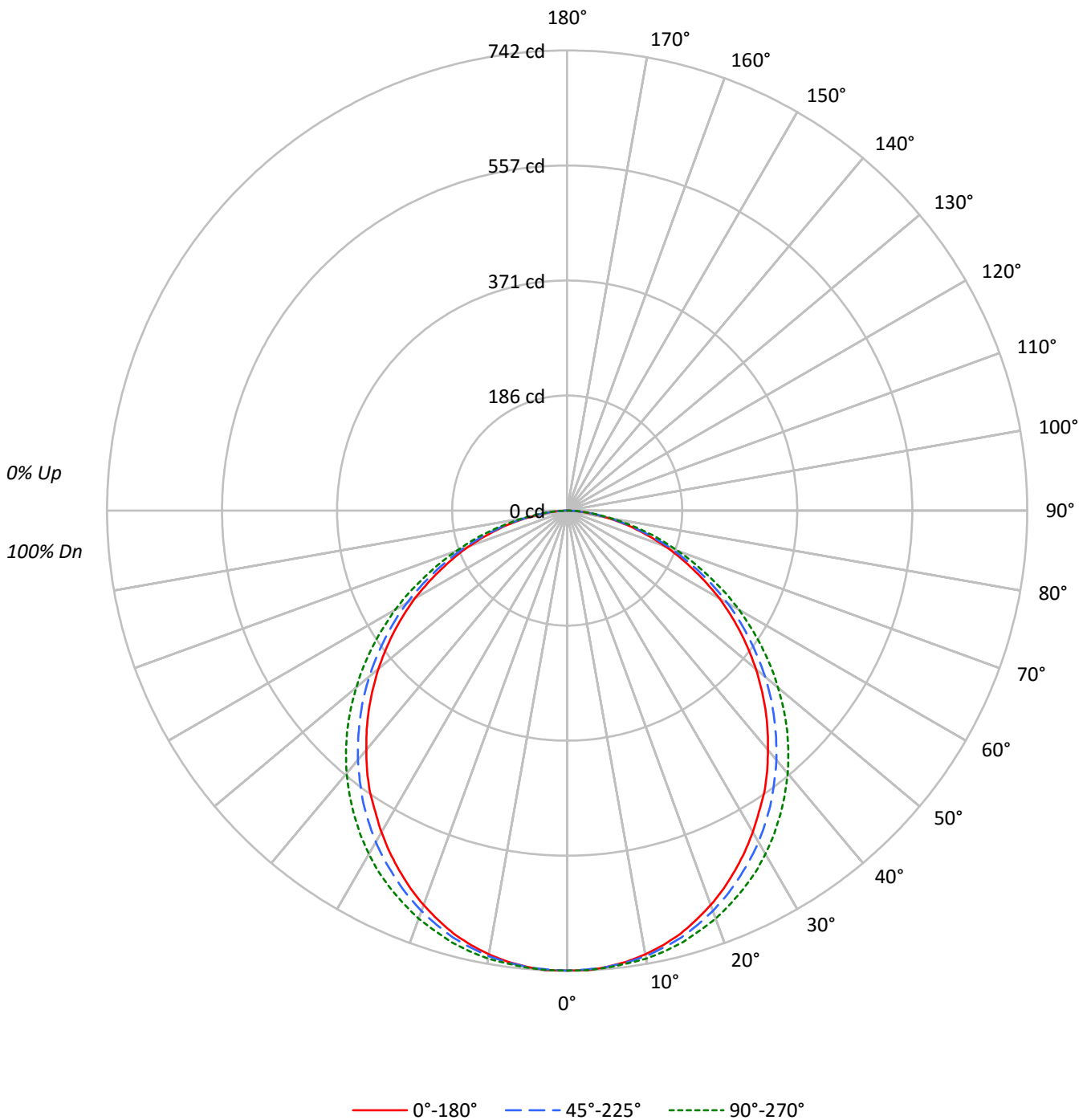
Lumens per Lamp: N/A
Luminaire Lumens: 2014.5 lumens
Efficiency: N/A
Efficacy: 122.8 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.28 / 1.35
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 16.4
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



TEST NUMBER: P383719
CATALOG NUMBER: 14ID-20-L835-CFR1

Luminous Intensity Polar Plot





TEST NUMBER: P383719

CATALOG NUMBER: 14ID-20-L835-CFR1

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°	1996	1996	1996
5°	1995	1995	1998
10°	1985	1994	2005
15°	1968	1985	2007
20°	1938	1967	2005
25°	1901	1944	1998
30°	1861	1917	1987
35°	1821	1884	1967
40°	1769	1844	1944
45°	1720	1797	1909
50°	1663	1744	1858
55°	1597	1678	1797
60°	1527	1609	1723
65°	1426	1510	1613
70°	1323	1395	1491
75°	1180	1243	1349
80°	989	1037	1131
85°	750	750	846



TEST NUMBER: P383719

CATALOG NUMBER: 14ID-20-L835-CFR1

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	70.2	3.5
10°-20°	200.9	10.0
20°-30°	302.0	15.0
30°-40°	359.3	17.8
40°-50°	365.6	18.1
50°-60°	321.7	16.0
60°-70°	236.0	11.7
70°-80°	128.1	6.4
80°-90°	30.6	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°	573.1	28.4
0°-40°	932.4	46.3
0°-60°	1619.8	80.4
0°-90°	2014.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2014.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	742	742	742	742	742	
5°	739	738	739	739	740	70
15°	706	707	712	716	720	199
25°	640	644	655	666	673	295
35°	554	558	574	591	599	346
45°	452	456	472	492	502	348
55°	340	346	358	375	383	304
65°	224	228	237	247	253	223
75°	114	116	120	126	130	121
85°	24	24	24	26	27	29
90°	0	0	0	0	0	



TEST NUMBER: P383719

CATALOG NUMBER: 14ID-20-L835-CFR1

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	741.8	741.8	741.8	741.8	741.8
2.5°	741.8	740.7	740.7	740.7	741.8
5°	738.7	737.7	738.7	738.7	739.7
7.5°	733.6	732.6	734.7	735.7	736.7
10°	726.6	726.6	729.6	731.6	733.6
12.5°	717.4	718.4	721.5	724.5	727.6
15°	706.3	707.3	712.4	716.4	720.5
17.5°	692.1	694.1	700.2	706.3	710.3
20°	676.9	679.9	687.0	695.1	700.2
22.5°	659.7	663.7	671.8	682.0	687.0
25°	640.4	644.5	654.6	665.8	672.8
27.5°	620.2	625.2	636.4	649.5	657.6
30°	598.9	603.9	617.1	631.3	639.4
32.5°	575.6	581.6	595.8	612.0	620.2
35°	554.3	558.3	573.5	590.8	598.9
37.5°	530.0	535.0	549.2	567.5	576.6
40°	503.6	508.7	524.9	543.1	553.3
42.5°	478.3	482.3	498.6	518.8	527.9
45°	451.9	456.0	472.2	492.5	501.6
47.5°	424.6	429.7	444.9	464.1	473.2
50°	397.2	401.3	416.5	434.7	443.8
52.5°	368.9	372.9	387.1	405.3	414.5
55°	340.5	345.5	357.7	374.9	383.0
57.5°	312.1	317.2	328.3	344.5	351.6
60°	283.7	287.8	298.9	313.1	320.2
62.5°	253.3	256.4	267.5	281.7	287.8
65°	223.9	228.0	237.1	247.3	253.3
67.5°	196.6	198.6	206.7	217.9	221.9
70°	168.2	170.2	177.3	186.5	189.5
72.5°	139.8	142.9	147.9	156.1	160.1
75°	113.5	115.5	119.6	125.7	129.7
77.5°	88.2	89.2	92.2	97.3	100.3
80°	63.8	64.9	66.9	70.9	73.0
82.5°	42.6	43.6	44.6	46.6	48.6
85°	24.3	24.3	24.3	26.3	27.4
87.5°	9.1	8.1	8.1	8.1	8.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)