

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: P383942

Luminaire Tested: **22ID-20-L830-CFR2**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P383942
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-20-L830-CFR2
Description: 2X2 IN DEPTH TROFFER WITH 2INCH RECESSED COFFER LENS

Light Source: -
Ballast/Driver: -

Summary

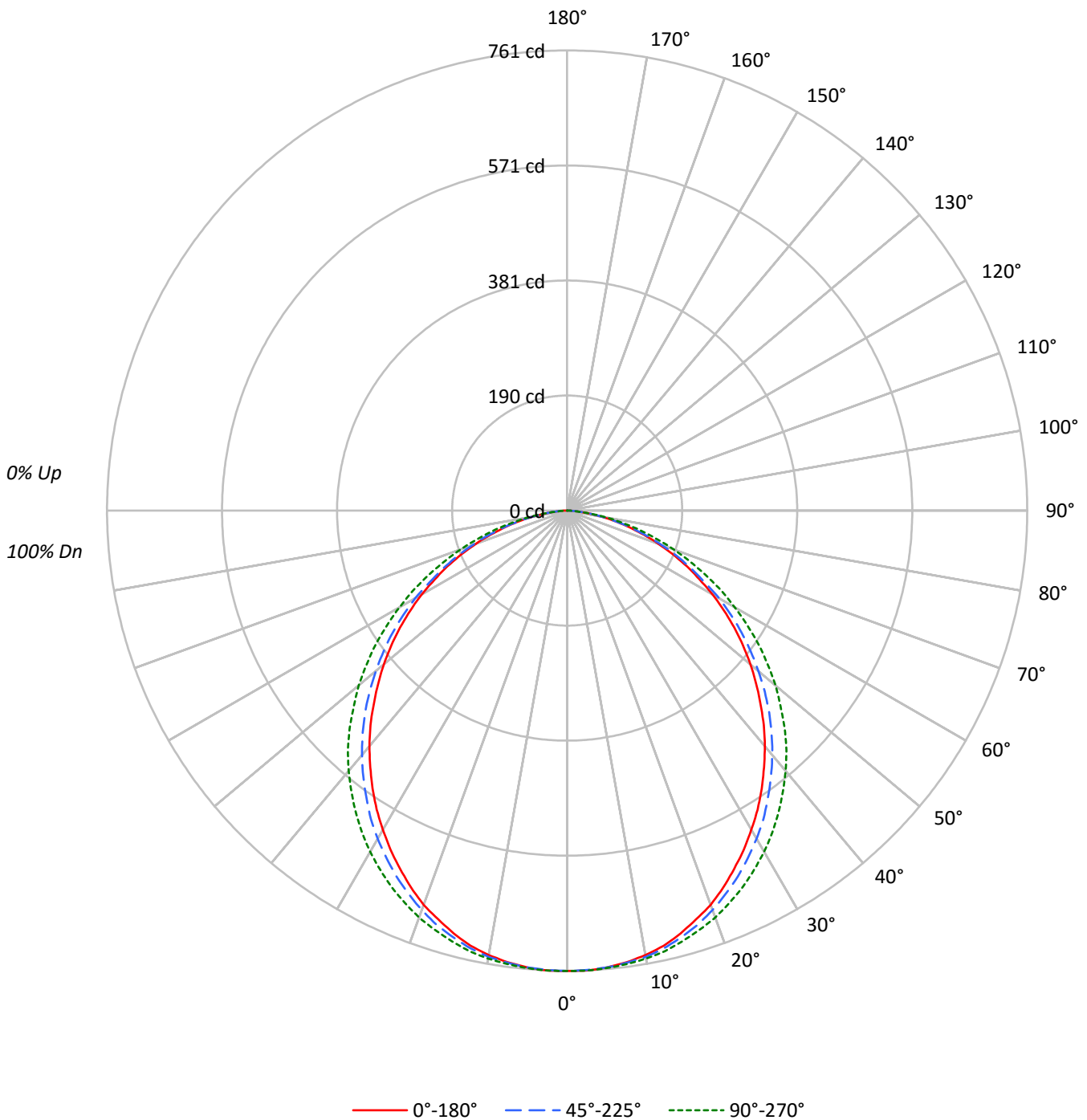
Lumens per Lamp: N/A
Luminaire Lumens: 2010.0 lumens
Efficiency: N/A
Efficacy: 123.3 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.27 / 1.33
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 16.3
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°	2049	2049	2049
5°	2049	2049	2051
10°	2039	2047	2056
15°	2017	2034	2054
20°	1987	2013	2051
25°	1941	1983	2040
30°	1893	1947	2025
35°	1843	1902	2002
40°	1787	1854	1974
45°	1721	1798	1936
50°	1657	1729	1885
55°	1583	1654	1815
60°	1496	1561	1724
65°	1392	1436	1610
70°	1260	1308	1474
75°	1100	1142	1288
80°	890	905	1015
85°	528	590	497



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	72.1	3.6
10°-20°	206.0	10.2
20°-30°	308.2	15.3
30°-40°	364.1	18.1
40°-50°	367.4	18.3
50°-60°	319.1	15.9
60°-70°	228.8	11.4
70°-80°	119.2	5.9
80°-90°	25.2	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°	586.3	29.2
0°-40°	950.4	47.3
0°-60°	1636.9	81.4
0°-90°	2010.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2010.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	761	761	761	761	761	
5°	758	757	758	758	759	72
15°	724	725	730	735	737	204
25°	654	658	668	681	687	301
35°	561	565	579	600	609	351
45°	452	457	472	496	509	349
55°	337	340	352	376	387	301
65°	219	218	226	243	253	216
75°	106	105	110	118	124	113
85°	17	19	19	17	16	25
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	761.4	761.4	761.4	761.4	761.4
2.5°	761.4	760.4	760.4	760.4	761.4
5°	758.4	757.4	758.4	758.4	759.4
7.5°	753.4	752.4	754.4	755.4	756.4
10°	746.3	746.3	749.3	751.3	752.4
12.5°	737.2	737.2	741.3	744.3	746.3
15°	724.1	725.2	730.2	735.2	737.2
17.5°	709.0	712.1	718.1	725.2	727.2
20°	693.9	695.9	703.0	712.1	716.1
22.5°	674.8	677.8	685.9	698.0	702.0
25°	653.6	657.7	667.7	680.8	686.9
27.5°	632.5	635.5	647.6	662.7	669.8
30°	609.3	613.4	626.5	643.6	651.6
32.5°	586.2	589.2	604.3	622.4	631.5
35°	561.0	565.0	579.1	600.3	609.3
37.5°	534.8	539.8	553.9	576.1	586.2
40°	508.6	511.6	527.8	549.9	562.0
42.5°	481.4	485.5	500.6	524.7	536.8
45°	452.2	457.3	472.4	496.5	508.6
47.5°	424.0	429.1	443.2	467.3	478.4
50°	395.8	398.8	412.9	437.1	450.2
52.5°	366.6	369.6	382.7	405.9	418.0
55°	337.4	340.4	352.5	375.7	386.8
57.5°	307.2	309.2	321.3	342.4	353.5
60°	278.0	279.0	290.1	309.2	320.3
62.5°	246.8	247.8	255.8	278.0	288.0
65°	218.6	217.5	225.6	242.7	252.8
67.5°	189.3	189.3	196.4	211.5	219.6
70°	160.1	160.1	166.2	179.3	187.3
72.5°	132.9	132.9	138.0	148.1	154.1
75°	105.8	104.7	109.8	117.8	123.9
77.5°	80.6	80.6	82.6	89.6	93.7
80°	57.4	57.4	58.4	62.4	65.5
82.5°	36.3	36.3	36.3	38.3	39.3
85°	17.1	19.1	19.1	17.1	16.1
87.5°	8.1	8.1	7.1	7.1	7.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)