

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: P220062

Luminaire Tested: **R3-WL-1L35-LD5-UNV-22**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220062
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35853)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: R3-WL-1L35-LD5-UNV-22
Description: CLASS R3 2X2 RECESSED LED LUMIANIRE
WITH A FROSTED PRISMATIC ROUND LENS
Light Source: (84) 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2058.8 lumens
Efficiency: N/A
Efficacy: 125.5 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.3 / 1.37
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

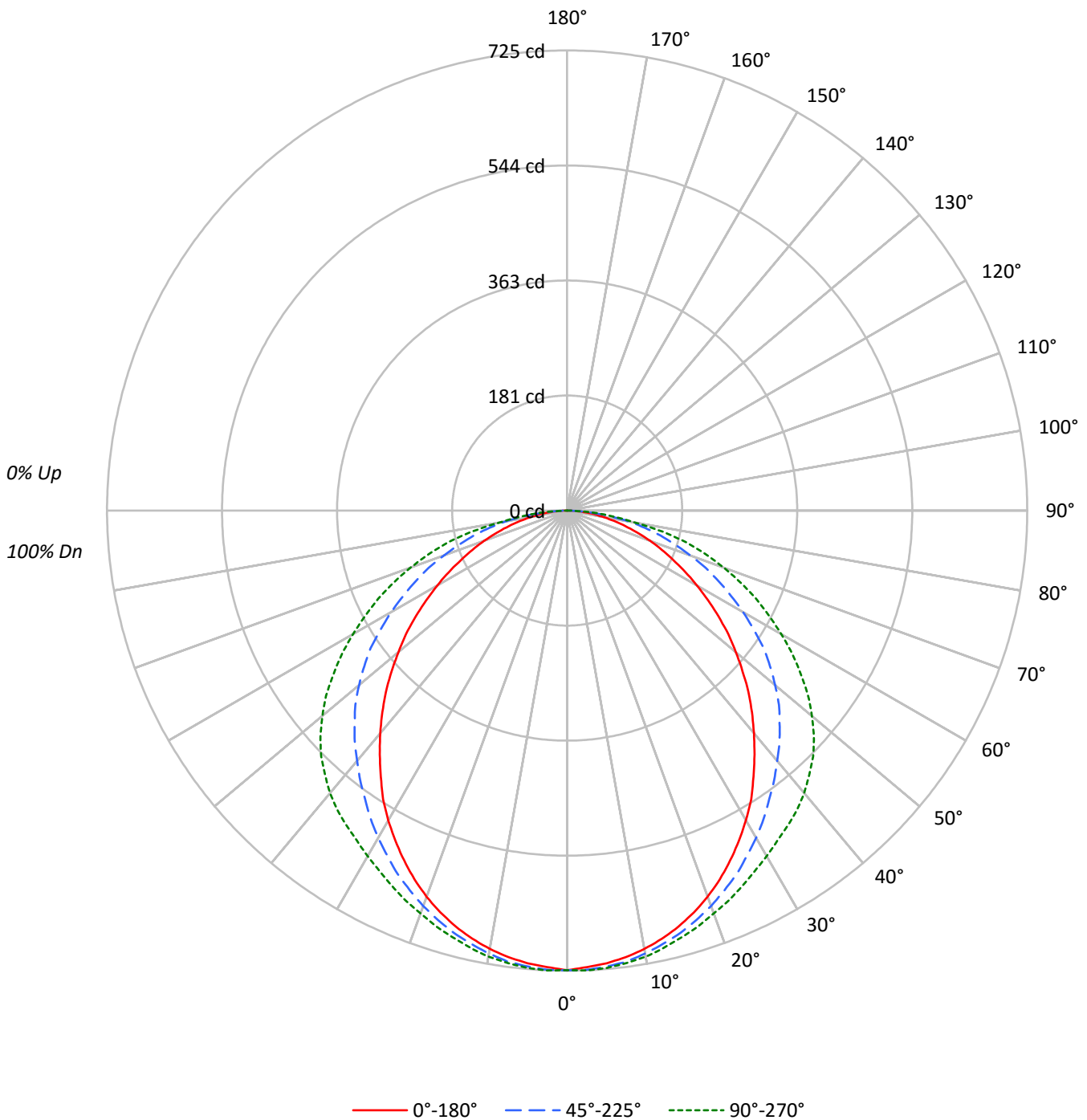
Input Watts (W): 16.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	108	104	99	95	106	101	97	94	97	94	91	93	90	88	89	87	85	83
2	98	90	83	77	96	88	82	76	85	79	74	81	77	73	78	74	71	69
3	90	79	71	64	87	77	70	63	74	68	62	72	66	61	69	64	60	58
4	82	70	61	54	80	68	60	54	66	59	53	64	57	52	61	56	51	49
5	75	62	53	46	73	61	53	46	59	51	46	57	50	45	55	49	45	42
6	70	56	47	40	68	55	47	40	53	46	40	52	45	40	50	44	39	37
7	64	51	42	36	63	50	42	36	48	41	35	47	40	35	46	39	35	33
8	60	46	38	32	58	46	37	32	44	37	32	43	36	31	42	36	31	29
9	56	43	34	29	55	42	34	29	41	33	28	40	33	28	39	33	28	26
10	53	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	26	24

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1949	1949	1949
5°	1934	1948	1953
10°	1916	1936	1950
15°	1890	1919	1939
20°	1854	1899	1934
25°	1806	1876	1938
30°	1751	1851	1954
35°	1681	1824	1991
40°	1609	1808	2041
45°	1537	1802	2085
50°	1453	1791	2107
55°	1366	1774	2109
60°	1271	1723	2096
65°	1174	1675	2091
70°	1092	1622	2062
75°	991	1583	2024
80°	883	1525	1686
85°	800	1216	1473



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	68.4	3.3
10°-20°	194.1	9.4
20°-30°	290.8	14.1
30°-40°	349.1	17.0
40°-50°	365.8	17.8
50°-60°	333.3	16.2
60°-70°	257.3	12.5
70°-80°	156.2	7.6
80°-90°	43.8	2.1
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°	553.3	26.9
0°-40°	902.4	43.8
0°-60°	1601.5	77.8
0°-90°	2058.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2058.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	724	724	724	724	724	
5°	716	718	721	723	723	68
15°	678	683	689	695	696	191
25°	608	615	632	646	653	280
35°	512	524	555	592	606	320
45°	404	422	473	527	548	311
55°	291	315	378	430	450	261
65°	184	210	263	310	328	184
75°	95	114	152	184	195	101
85°	26	31	39	46	48	29
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	724.1	724.1	724.1	724.1	724.1
2.5°	719.9	721.0	724.1	725.1	725.1
5°	715.8	717.9	721.0	723.1	723.1
7.5°	709.6	711.7	716.8	718.9	718.9
10°	701.3	704.4	708.6	712.7	713.7
12.5°	690.9	694.1	699.2	704.4	705.4
15°	678.5	682.7	688.9	695.1	696.1
17.5°	664.0	668.2	676.4	684.7	686.8
20°	647.4	651.6	663.0	673.3	675.4
22.5°	628.8	635.0	647.4	660.9	665.0
25°	608.1	615.3	631.9	646.4	652.6
27.5°	586.3	594.6	613.3	632.9	640.2
30°	563.5	571.8	595.6	618.4	628.8
32.5°	539.7	548.0	576.0	605.0	616.4
35°	511.7	524.2	555.2	591.5	606.0
37.5°	484.8	499.3	535.6	578.0	594.6
40°	457.9	473.4	514.8	562.5	581.1
42.5°	430.9	447.5	495.2	547.0	564.6
45°	404.0	421.6	473.4	527.3	548.0
47.5°	375.0	394.7	452.7	505.5	527.3
50°	347.0	368.8	427.8	483.8	503.4
52.5°	320.1	340.8	403.0	458.9	478.6
55°	291.1	314.9	378.1	429.9	449.6
57.5°	263.1	288.0	348.1	401.9	420.6
60°	236.2	260.0	320.1	371.9	389.5
62.5°	210.3	235.1	291.1	340.8	358.4
65°	184.4	210.3	263.1	309.7	328.4
67.5°	161.6	184.4	236.2	279.7	295.2
70°	138.8	158.5	206.1	247.6	262.1
72.5°	116.0	135.7	178.2	215.5	228.9
75°	95.3	113.9	152.3	184.4	194.7
77.5°	75.6	92.2	125.3	151.2	154.3
80°	57.0	70.4	98.4	109.8	108.8
82.5°	41.4	50.8	66.3	74.6	74.6
85°	25.9	31.1	39.4	45.6	47.7
87.5°	11.4	13.5	16.6	17.6	15.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)