

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: P505850

Luminaire Tested: **14PD-25-PR1-L930**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P505850
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-8)
Test Lab: INNOVATION CENTER
Issue Date: 3/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14PD-25-PR1-L930
Description: 2500 LUMEN, 1X4 PERCEIVE LED LUMINAIRE WITH RIPPLE LENS AND 90 CRI,
3000K LEDS
Light Source: -
Ballast/Driver: -

Summary

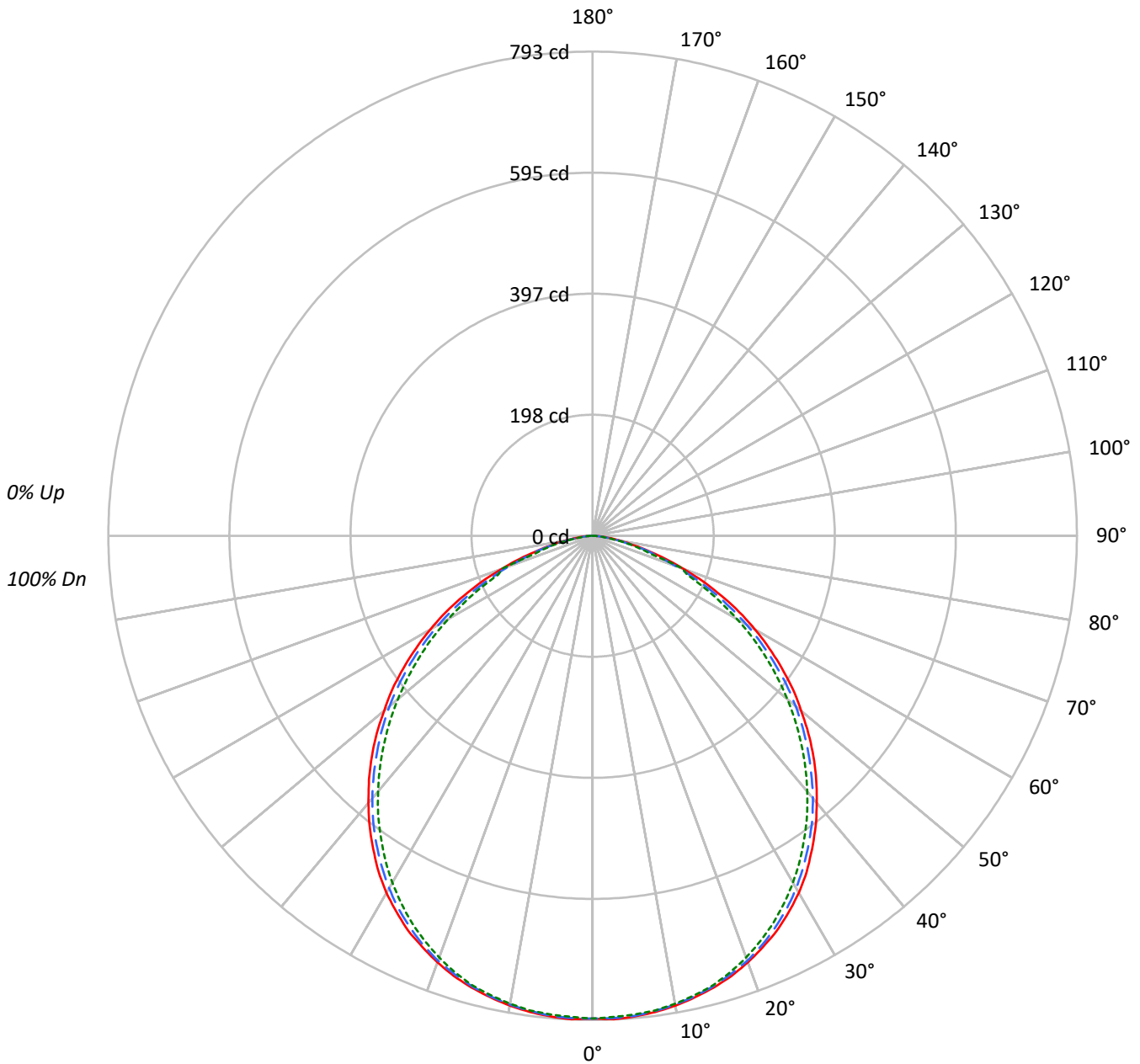
Lumens per Lamp: N/A
Luminaire Lumens: 2035.0 lumens
Efficiency: N/A
Efficacy: 89.6 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.23 / 1.34
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 22.7
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									
RC	80									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	0																
RCR																																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100																			
1	110	105	101	98	107	103	100	96	99	96	93	95	93	90	91	90	88	86																			
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	73																			
3	92	82	74	68	89	80	73	67	77	71	66	75	69	65	72	68	64	62																			
4	84	73	64	58	82	72	64	58	69	62	57	67	61	56	65	60	55	53																			
5	78	65	57	50	76	64	56	50	62	55	49	60	54	49	58	53	48	46																			
6	72	59	50	44	70	58	50	44	56	49	43	55	48	43	53	47	43	41																			
7	67	54	45	39	65	53	45	39	51	44	39	50	43	38	48	43	38	36																			
8	62	49	41	35	61	48	40	35	47	40	35	46	39	34	45	39	34	32																			
9	58	45	37	31	57	44	37	31	43	36	31	42	36	31	41	35	31	29																			
10	54	41	34	29	53	41	34	29	40	33	28	39	33	28	38	32	28	26																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2128	2128	2128
5°	2135	2132	2126
10°	2135	2131	2126
15°	2134	2128	2123
20°	2129	2121	2105
25°	2120	2101	2078
30°	2098	2071	2038
35°	2057	2027	1985
40°	2006	1971	1920
45°	1947	1899	1839
50°	1866	1817	1743
55°	1775	1705	1624
60°	1653	1566	1469
65°	1484	1379	1289
70°	1248	1137	1230
75°	961	924	831
80°	691	618	589
85°	423	361	327



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	75.0	3.7
10°-20°	215.3	10.6
20°-30°	325.3	16.0
30°-40°	384.8	18.9
40°-50°	383.7	18.9
50°-60°	324.2	15.9
60°-70°	216.0	10.6
70°-80°	93.8	4.6
80°-90°	17.0	0.8
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°	615.6	30.2
0°-40°	1000.4	49.2
0°-60°	1708.2	83.9
0°-90°	2035.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2035.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	791	791	791	791	791	
5°	790	787	789	788	787	75
15°	766	762	764	762	762	216
25°	714	709	708	701	700	329
35°	626	622	617	609	604	392
45°	512	507	499	488	483	394
55°	378	376	364	352	346	338
65°	233	230	217	207	202	230
75°	92	90	89	86	80	101
85°	14	14	12	11	11	19
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	790.7	790.7	790.7	790.7	790.7
2.5°	792.7	789.2	790.7	790.7	788.8
5°	790.4	787.2	789.2	788.4	787.2
7.5°	786.8	783.7	784.9	784.5	784.1
10°	781.3	778.2	779.8	779.0	778.2
12.5°	774.3	771.2	772.7	771.6	770.8
15°	766.1	762.5	763.7	762.5	762.2
17.5°	755.9	752.4	752.8	751.2	749.6
20°	743.4	740.2	740.6	736.7	735.1
22.5°	728.9	725.7	725.3	720.2	718.3
25°	714.0	709.3	707.7	701.4	699.9
27.5°	695.2	690.9	688.5	681.9	678.7
30°	675.2	670.5	666.6	659.2	656.0
32.5°	652.5	647.8	642.7	634.9	631.3
35°	626.3	621.9	616.9	608.6	604.3
37.5°	600.0	595.3	590.2	580.4	576.9
40°	571.0	566.7	561.2	550.7	546.7
42.5°	542.0	537.0	530.3	520.1	515.8
45°	511.5	506.8	499.0	488.4	483.3
47.5°	479.4	475.5	467.2	455.9	450.4
50°	445.7	442.6	434.0	421.4	416.3
52.5°	413.6	409.3	399.5	387.0	381.5
55°	378.3	375.6	363.5	351.7	346.2
57.5°	343.1	339.6	327.4	315.7	310.6
60°	307.1	303.9	291.0	279.2	273.0
62.5°	270.6	267.1	253.4	242.8	236.9
65°	233.0	230.3	216.6	207.2	202.5
67.5°	195.4	193.5	179.0	171.2	167.6
70°	158.6	155.9	144.5	141.4	156.3
72.5°	124.5	121.0	111.2	106.1	102.2
75°	92.4	90.5	88.9	85.8	79.9
77.5°	65.0	64.6	59.1	54.8	59.1
80°	44.6	46.2	39.9	36.4	38.0
82.5°	27.4	30.5	23.9	21.1	20.4
85°	13.7	14.1	11.7	11.0	10.6
87.5°	5.1	5.9	5.1	4.3	4.3
90°	0.0	0.0	0.0	0.0	0.0



Report Generated By 670246072 / DESKTOP-MV3F9LC





— 0°-180° - - 45°-225° - - - - 90°-270°







(END OF REPORT)