

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: PORTFOLIO

Report Number: P245379

Luminaire Tested: **LSR8B30D010 EC8B30930 8LBS0WH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P245379
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1801-521-15)
Test Lab: INNOVATION CENTER(G1)
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LSR8B30D010 EC8B30930 8LBS0WH
Description: PORTFOLIO 8 INCH WIDE SHALLOW DISTRIBUTION 75 DEGREE CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
97 CRI 3000 CCT WITH WHEAT TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2852.9 lumens
Efficiency: N/A
Efficacy: 105.3 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.27 / 1.23
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

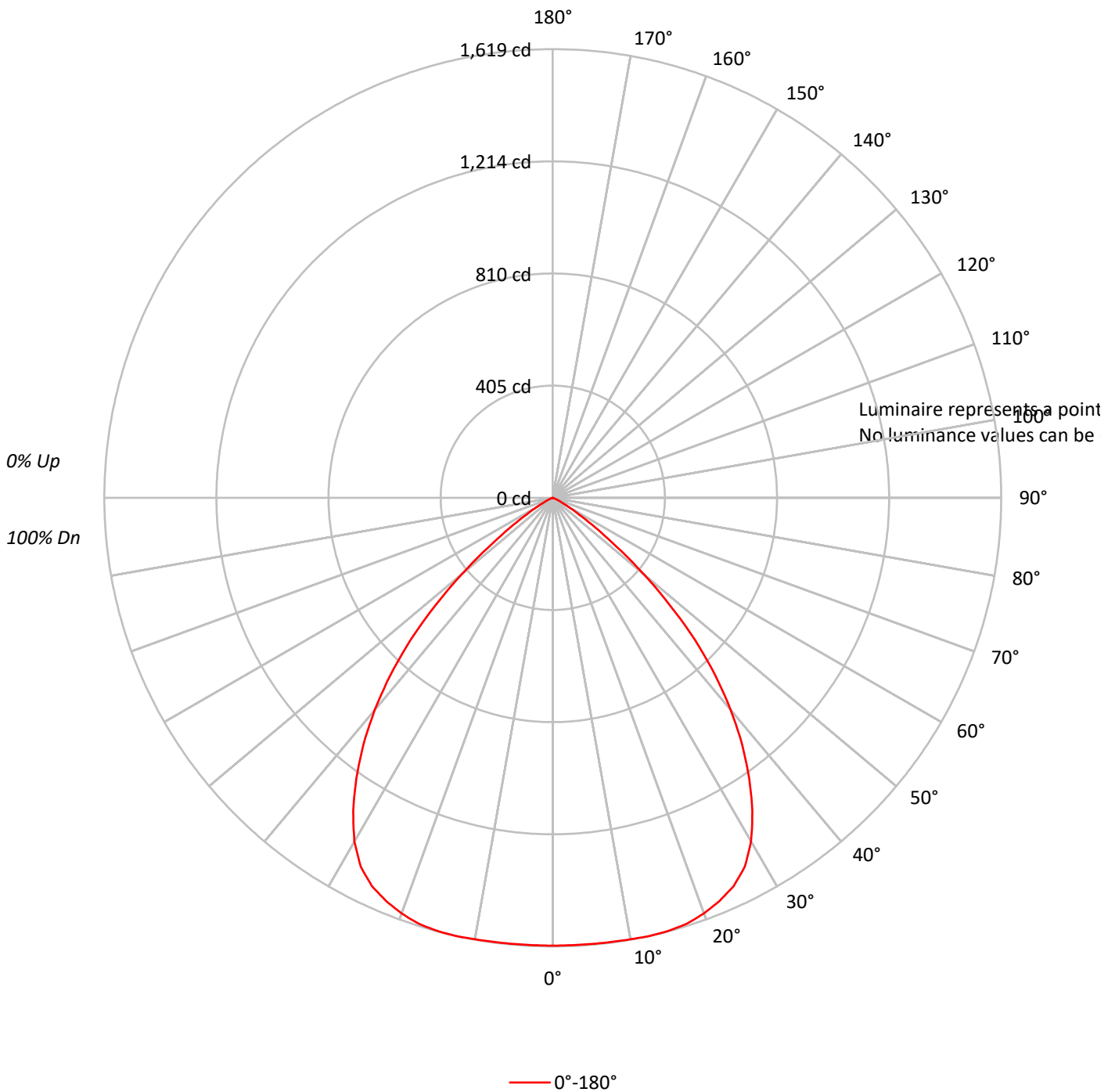
Input Watts (W): 27.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P245379

CATALOG NUMBER: LSR8B30D010 EC8B30930 8LBS0WH

Luminous Intensity Polar Plot





TEST NUMBER: P245379

CATALOG NUMBER: LSR8B30D010 EC8B30930 8LBS0WH

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	112	109	106	104	110	107	104	102	103	101	99	99	97	96	96	94	93	91
2	105	100	95	91	103	98	93	90	94	91	88	91	88	86	89	86	84	82
3	99	91	85	80	96	89	84	79	87	82	78	84	80	77	82	78	76	74
4	92	83	76	71	90	82	76	71	79	74	70	77	73	69	75	71	68	66
5	86	76	69	64	84	75	68	63	73	67	63	71	66	62	70	65	62	60
6	80	70	63	57	79	69	62	57	67	61	57	66	60	56	64	60	56	54
7	75	64	57	52	74	63	57	52	62	56	51	61	55	51	60	55	51	49
8	71	59	52	47	69	59	52	47	57	51	47	56	51	47	55	50	46	45
9	66	55	48	43	65	54	48	43	53	47	43	52	47	43	51	46	43	41
10	63	51	44	40	61	51	44	40	50	44	39	49	43	39	48	43	39	38

AVERAGE LUMINANCE (cd/sqm):





TEST NUMBER: P245379

CATALOG NUMBER: LSR8B30D010 EC8B30930 8LBS0WH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	154.3	5.4
10°-20°	457.1	16.0
20°-30°	707.8	24.8
30°-40°	766.7	26.9
40°-50°	551.7	19.3
50°-60°	184.6	6.5
60°-70°	27.9	1.0
70°-80°	2.4	0.1
80°-90°	0.3	0.0
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°	1319.2	46.2
0°-40°	2086.0	73.1
0°-60°	2822.3	98.9
0°-90°	2852.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2852.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1616	
5°	1616	154
15°	1618	457
25°	1546	708
35°	1236	767
45°	727	552
55°	187	185
65°	25	28
75°	2	2
85°	0	0
90°	0	



TEST NUMBER: P245379

CATALOG NUMBER: LSR8B30D010 EC8B30930 8LBS0WH

CANDELA DISTRIBUTION (FULL):

	0°
0°	1615.9
2.5°	1615.9
5°	1615.9
7.5°	1616.8
10°	1617.6
12.5°	1619.3
15°	1617.6
17.5°	1611.0
20°	1596.1
22.5°	1573.9
25°	1545.7
27.5°	1501.1
30°	1431.9
32.5°	1340.9
35°	1236.1
37.5°	1123.0
40°	999.9
42.5°	867.9
45°	726.6
47.5°	573.8
50°	426.1
52.5°	292.4
55°	186.6
57.5°	111.4
60°	66.9
62.5°	40.5
65°	24.8
67.5°	12.3
70°	5.8
72.5°	2.5
75°	1.7
77.5°	1.7
80°	0.8
82.5°	0.8
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)