

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: P244899

Luminaire Tested: **LSR8B30D010 EC8B30840 8LBS0WMH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P244899
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1801-521-14)
Test Lab: INNOVATION CENTER(G1)
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LSR8B30D010 EC8B30840 8LBS0WMH
Description: PORTFOLIO 8 INCH WIDE SHALLOW DISTRIBUTION 75 DEGREE CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
80 CRI 4000 CCT WITH WARM HAZE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3303.0 lumens
Efficiency: N/A
Efficacy: 121.9 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.19 / 1.25
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

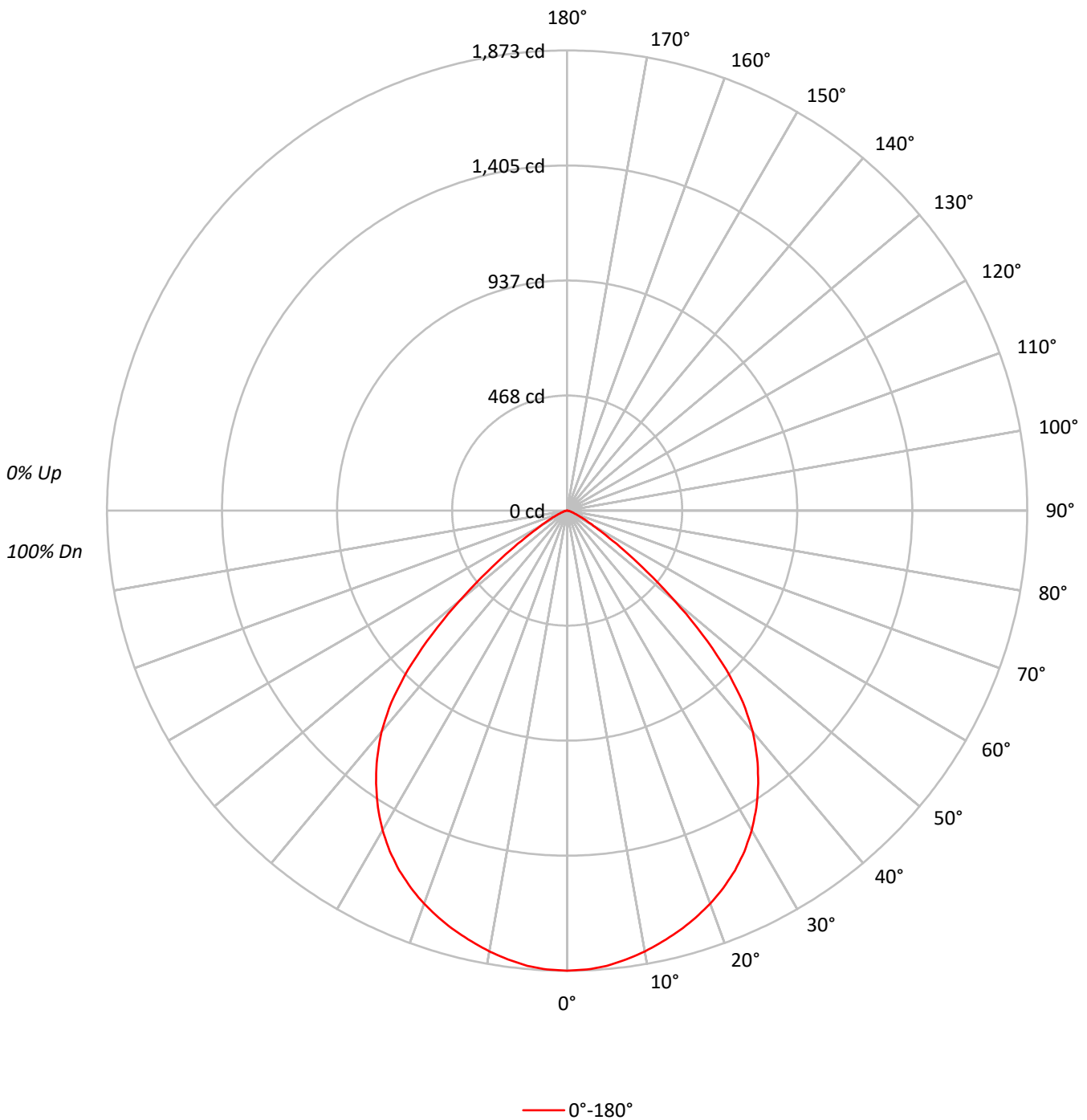
Input Watts (W): 27.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P244899

CATALOG NUMBER: LSR8B30D010 EC8B30840 8LBS0WMH

Luminous Intensity Polar Plot





TEST NUMBER: P244899

CATALOG NUMBER: LSR8B30D010 EC8B30840 8LBS0WMH

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	103	110	107	104	101	102	100	98		99	97	95		95	94	92	91
2	105	99	94	89	102	97	92	88	94	90	86		90	87	85		88	85	83	81
3	98	90	83	78	95	88	82	78	85	80	76		83	79	75		80	77	74	72
4	91	82	75	69	89	80	74	69	78	72	68		76	71	67		74	70	66	65
5	85	74	67	62	83	73	67	61	71	65	61		70	64	60		68	63	60	58
6	79	68	61	55	77	67	60	55	66	59	55		64	58	54		63	58	54	52
7	74	63	55	50	72	62	55	50	60	54	49		59	53	49		58	53	49	47
8	69	58	50	45	68	57	50	45	56	49	45		55	49	45		54	48	45	43
9	65	53	46	41	64	53	46	41	52	45	41		51	45	41		50	45	41	39
10	61	50	43	38	60	49	42	38	48	42	38		47	42	38		46	41	37	36

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	57750
5°	57568
10°	57054
15°	56487
20°	55881
25°	54997
30°	53488
35°	51049
40°	47310
45°	39946
50°	27407
55°	15118
60°	7598
65°	4276
70°	2326
75°	1656
80°	1065
85°	708



TEST NUMBER: P244899

CATALOG NUMBER: LSR8B30D010 EC8B30840 8LBS0WMH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	176.3	5.3
10°-20°	499.0	15.1
20°-30°	743.0	22.5
30°-40°	843.9	25.6
40°-50°	689.9	20.9
50°-60°	270.3	8.2
60°-70°	63.0	1.9
70°-80°	15.2	0.5
80°-90°	2.4	0.1
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°	1418.3	42.9
0°-40°	2262.2	68.5
0°-60°	3222.4	97.6
0°-90°	3303.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3303.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1873	
5°	1860	176
15°	1769	499
25°	1616	743
35°	1356	844
45°	916	690
55°	281	270
65°	59	63
75°	14	15
85°	2	2
90°	0	



TEST NUMBER: P244899

CATALOG NUMBER: LSR8B30D010 EC8B30840 8LBS0WMH

CANDELA DISTRIBUTION (FULL):

	0°
0°	1872.8
2.5°	1869.8
5°	1859.8
7.5°	1842.9
10°	1822.1
12.5°	1796.3
15°	1769.4
17.5°	1737.6
20°	1702.9
22.5°	1662.1
25°	1616.4
27.5°	1562.8
30°	1502.2
32.5°	1433.6
35°	1356.1
37.5°	1270.7
40°	1175.3
42.5°	1060.1
45°	916.0
47.5°	747.1
50°	571.3
52.5°	410.3
55°	281.2
57.5°	183.8
60°	123.2
62.5°	84.4
65°	58.6
67.5°	38.7
70°	25.8
72.5°	17.9
75°	13.9
77.5°	9.9
80°	6.0
82.5°	3.0
85°	2.0
87.5°	1.0
90°	0.0

(END OF REPORT)