

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: P244497

Luminaire Tested: **LSR8B30D010 EC8B30940 8LBS0H**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P244497
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1801-521-13)
Test Lab: INNOVATION CENTER(G1)
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LSR8B30D010 EC8B30940 8LBS0H
Description: PORTFOLIO 8 INCH WIDE SHALLOW DISTRIBUTION 75 DEGREE CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
90 CRI 4000 CCT WITH SEMI-SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3020.0 lumens
Efficiency: N/A
Efficacy: 111.4 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.2 / 1.23
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

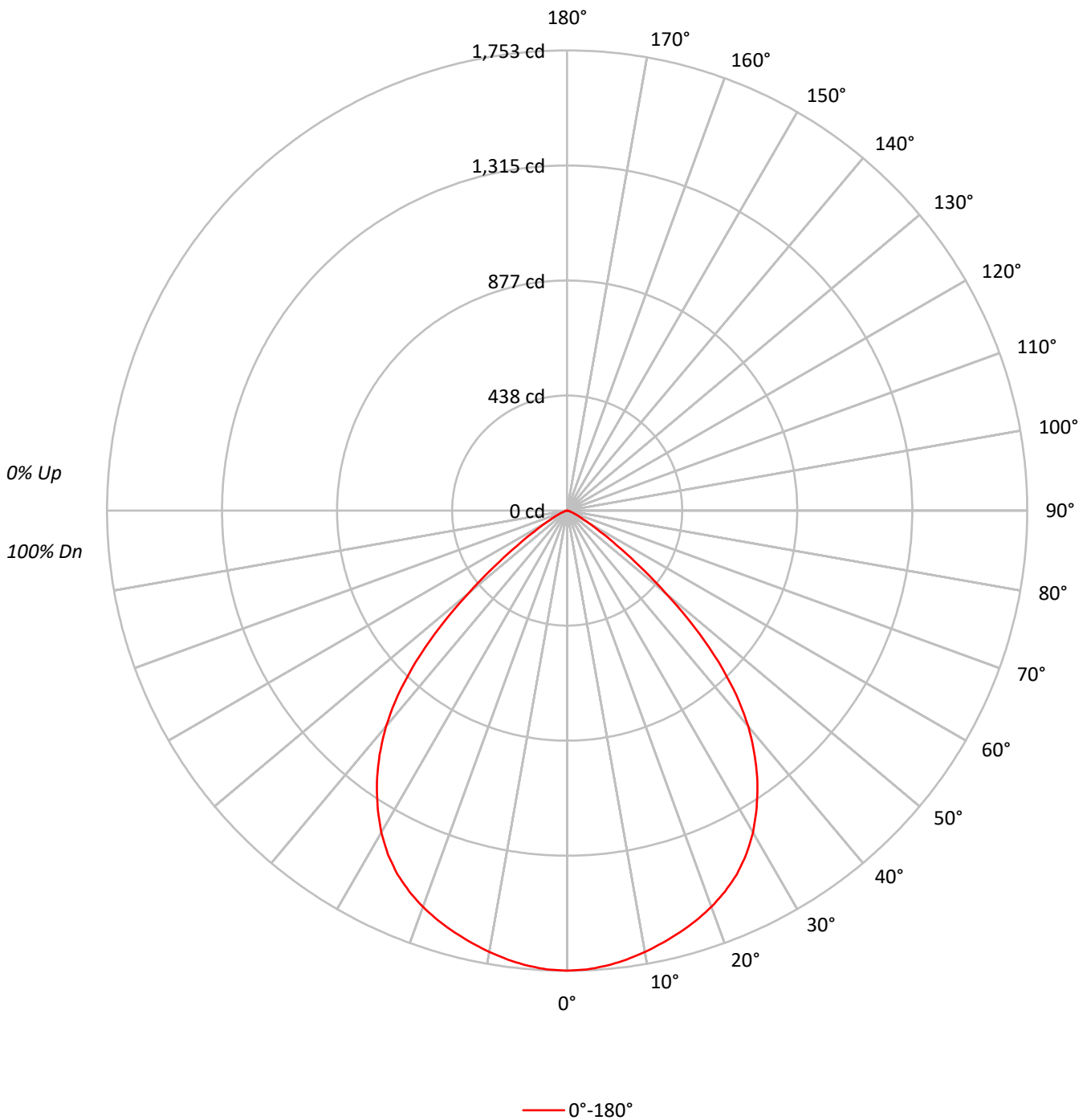
Input Watts (W): 27.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	112	109	106	103	110	107	104	102	103	100	98		99	97	95		95	94	93	91
2	105	99	94	90	103	97	93	89	94	90	87		91	88	85		88	85	83	81
3	98	90	84	79	96	89	83	78	86	81	77		83	79	76		81	78	75	73
4	91	82	75	70	89	81	75	70	79	73	69		76	72	68		74	70	67	65
5	85	75	68	63	83	74	67	62	72	66	62		70	65	61		69	64	60	59
6	80	69	61	56	78	68	61	56	66	60	56		65	59	55		63	58	55	53
7	75	63	56	51	73	63	56	51	61	55	50		60	54	50		59	54	50	48
8	70	58	51	46	68	58	51	46	57	50	46		55	50	46		54	49	45	44
9	66	54	47	42	64	53	47	42	52	46	42		51	46	42		51	45	42	40
10	62	50	43	39	61	50	43	39	49	43	38		48	42	38		47	42	38	37

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	54044
5°	53863
10°	53456
15°	53077
20°	52718
25°	52026
30°	50419
35°	47571
40°	43233
45°	35572
50°	23713
55°	12354
60°	5822
65°	3057
70°	1524
75°	1060
80°	799
85°	637



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	165.1	5.5
10°-20°	469.3	15.5
20°-30°	702.0	23.2
30°-40°	785.2	26.0
40°-50°	616.0	20.4
50°-60°	224.8	7.4
60°-70°	45.8	1.5
70°-80°	9.8	0.3
80°-90°	2.1	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°	1336.3	44.2
0°-40°	2121.5	70.2
0°-60°	2962.3	98.1
0°-90°	3020.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3020.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1753	
5°	1740	165
15°	1663	469
25°	1529	702
35°	1264	785
45°	816	616
55°	230	225
65°	42	46
75°	9	10
85°	2	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1752.6
2.5°	1749.9
5°	1740.1
7.5°	1725.9
10°	1707.2
12.5°	1685.8
15°	1662.6
17.5°	1636.8
20°	1606.5
22.5°	1570.9
25°	1529.1
27.5°	1477.4
30°	1416.0
32.5°	1343.8
35°	1263.7
37.5°	1173.7
40°	1074.0
42.5°	955.6
45°	815.7
47.5°	658.1
50°	494.3
52.5°	346.4
55°	229.8
57.5°	146.9
60°	94.4
62.5°	62.3
65°	41.9
67.5°	26.7
70°	16.9
72.5°	11.6
75°	8.9
77.5°	6.2
80°	4.5
82.5°	2.7
85°	1.8
87.5°	0.9
90°	0.0

(END OF REPORT)