

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: P247055

Luminaire Tested: **LSR8B90D010 EC8B90835 8LBW0LI**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P247055
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P25264)
Test Lab: INNOVATION CENTER-P2
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LSR8B90D010 EC8B90835 8LBW0LI
Description: PORTFOLIO 8 INCH WIDE DISTRIBUTION 60 DEGREE CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
80 CRI 3500 CCT WITH SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10041.0 lumens
Efficiency: N/A
Efficacy: 116.6 lumens/watt
Spacing Criteria (0/90/45): 1.32 / 1.32 / 1.22
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

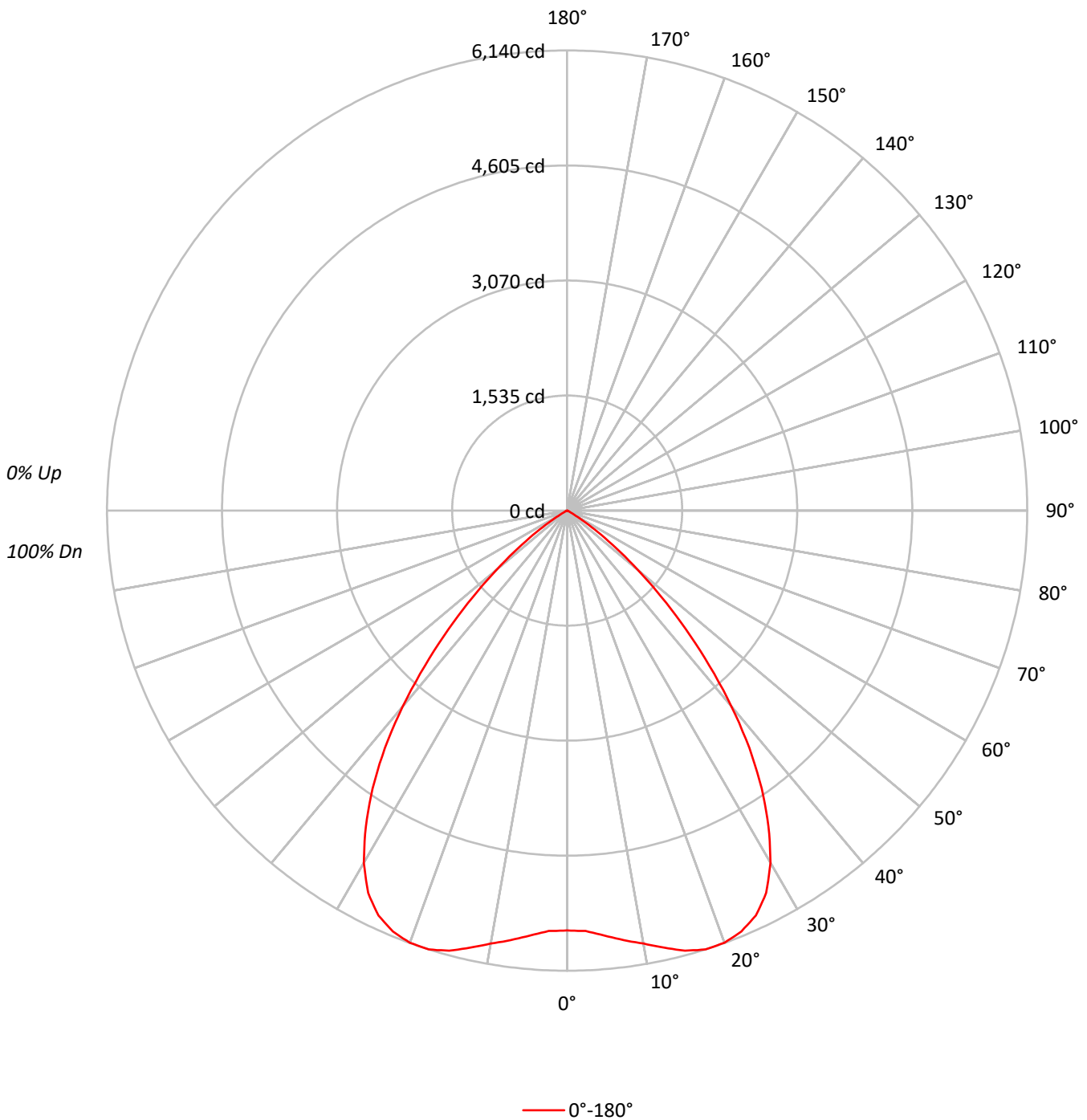
Input Watts (W): 86.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	113	109	107	104	110	107	105	102	103	101	99		99	98	96		96	95	94	92
2	106	100	96	92	104	98	94	91	95	92	89		92	89	87		89	87	85	83
3	99	92	86	81	97	90	85	81	88	83	79		85	81	78		83	80	77	75
4	93	84	78	73	91	83	77	72	81	75	71		79	74	70		77	73	70	68
5	87	77	70	65	85	76	70	65	74	69	64		73	68	64		71	67	63	62
6	82	71	64	59	80	70	64	59	69	63	58		67	62	58		66	61	58	56
7	77	66	59	54	75	65	58	54	64	58	53		62	57	53		61	56	53	51
8	72	61	54	49	71	60	54	49	59	53	49		58	52	48		57	52	48	47
9	68	56	50	45	66	56	49	45	55	49	45		54	48	45		53	48	44	43
10	64	53	46	41	63	52	46	41	51	45	41		50	45	41		50	45	41	39

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	172779
5°	176147
10°	183704
15°	194086
20°	201358
25°	202821
30°	193230
35°	170442
40°	137399
45°	97549
50°	58628
55°	26413
60°	6809
65°	1467
70°	721
75°	488
80°	249
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	548.9	5.5
10°-20°	1718.8	17.1
20°-30°	2718.2	27.1
30°-40°	2793.0	27.8
40°-50°	1732.6	17.3
50°-60°	491.2	4.9
60°-70°	33.2	0.3
70°-80°	4.4	0.0
80°-90°	0.6	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°	4986.0	49.7
0°-40°	7779.0	77.5
0°-60°	10002.8	99.6
0°-90°	10041.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10041.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5603	
5°	5691	549
15°	6080	1719
25°	5961	2718
35°	4528	2793
45°	2237	1733
55°	491	491
65°	20	33
75°	4	4
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	5603.1
2.5°	5613.8
5°	5690.6
7.5°	5780.8
10°	5866.9
12.5°	5973.2
15°	6079.6
17.5°	6140.1
20°	6136.1
22.5°	6076.9
25°	5961.1
27.5°	5751.2
30°	5426.8
32.5°	5000.1
35°	4527.7
37.5°	3993.4
40°	3413.3
42.5°	2810.3
45°	2236.9
47.5°	1704.0
50°	1222.1
52.5°	822.4
55°	491.3
57.5°	253.1
60°	110.4
62.5°	44.5
65°	20.1
67.5°	12.1
70°	8.0
72.5°	5.4
75°	4.1
77.5°	2.7
80°	1.4
82.5°	1.4
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)